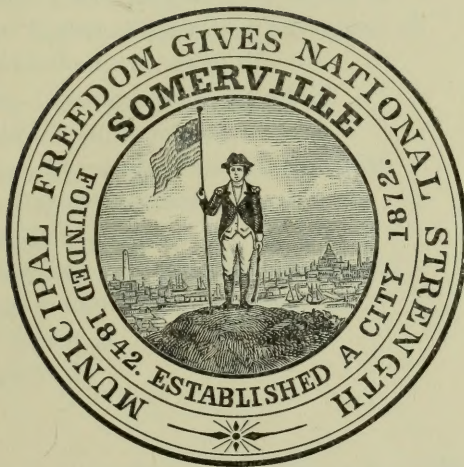




CITY OF SOMERVILLE

ANNUAL REPORTS

1895



BOSTON:
AMERICAN PRINTING AND ENGRAVING CO.
50 Arch Street.
1896.

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A

CITY GOVERNMENT AND OFFICERS FOR 1895.

MAYOR.

WILLIAM H. HODGKINS,
188 Central street.

BOARD OF ALDERMEN.

EDMUND S. SPARROW, *President*.

WARD ONE.

ISAIAH H. WILEY	54 Mt. Vernon street
WILFRED B. RICH	13 Franklin street

WARD TWO.

FRED W. GILBERT	101 School street
MELVILLE D. JONES	53 Walnut street

WARD THREE.

CALVIN H. WHITNEY	68 Gilman street
LEONARD B. CHANDLER	45 Jaques street

WARD FOUR.

EDMUND S. SPARROW	18 Meacham street
BENJAMIN J. DOWNS	5 Claremon street

CLERK.

GEORGE I. VINCENT.

COMMON COUNCIL.

L. HERBERT HUNTLEY, *President.*

WARD ONE.

L. HERBERT HUNTLEY	1 Pearl street
ALBERT C. FAIRBANKS	91 Perkins street
JOSIAH N. PRATT	33 Franklin street
F. DEWITT LAPHAM	3 Hathorn street

WARD TWO.

FREDERICK W. PARKER	65 Boston street
WILLIAM M. IRVING	82 Summer street
GEORGE E. WHITAKER	19A Greenville street
ROBERT S. WRIGHT	11 Summit avenue

WARD THREE.

HERBERT L. CLARK	124 Sycamore street
JAMES M. ANDREWS	172 Broadway
JAMES G. HINCKLEY	254 School street
ANDREW A. LAMONT	43 Heath street

WARD FOUR.

WILLIAM H. BERRY	39 Cherry street
JOHN N. BALL	690 Broadway
HOWARD D. MOORE	73 Curtis street
ELMER A. STEVENS	84 Morrison street

CLERK.

CHARLES S. ROBERTSON.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

ACCOUNTS.—Aldermen Chandler and Rich; Councilmen Pratt, Whitaker and Stevens.

CITY ENGINEERING.—Aldermen Gilbert and Sparrow; Councilmen Fairbanks, Hinckley and Irving.

CLAIMS.—His Honor, the Mayor, and Alderman Rich; the President of the Common Council, Councilmen Wright and Moore.

FINANCE.—His Honor, the Mayor, Aldermen Whitney and Jones; the President of the Common Council, Councilmen Fairbanks, Parker, Clark and Moore.

FIRE DEPARTMENT.—Aldermen Wiley and Sparrow; Councilmen Berry, Huntley and Lamont.

FUEL AND STREET LIGHTS.—Aldermen Chandler and Downs; Councilmen Hinckley, Wright and Lapham.

HIGHWAYS.—Aldermen Gilbert and Whitney; Councilmen Berry, Clark and Lapham.

LEGISLATIVE MATTERS.—His Honor, the Mayor, and Alderman Gilbert; the President of the Common Council, Councilmen Wright and Moore.

ORDINANCES.—Aldermen Rich and Chandler; Councilmen Hinckley, Whitaker and Ball.

PRINTING.—Aldermen Rich and Downs; Councilmen Ball, Irving and Lamont.

PUBLIC GROUNDS.—Aldermen Jones and Wiley; Councilmen Fairbanks, Stevens and Andrews.

PUBLIC PROPERTY.—Aldermen Sparrow and Chandler; Councilmen Pratt, Parker and Andrews.

SOLDIERS' RELIEF.—Aldermen Jones and Chandler; Councilmen Berry, Pratt and Andrews.

WATER.—Aldermen Downs and Whitney; the President of the Common Council, Councilmen Ball and Irving.

STANDING COMMITTEES OF THE BOARD OF ALDERMEN.

ELECTIONS AND RETURNS.—Aldermen Wiley, Chandler and Sparrow.

ENROLLED ORDINANCES AND RESOLUTIONS.—Aldermen Jones, Downs and Wiley.

LICENSES.—Aldermen Whitney, Downs and Jones.

POLICE.—Aldermen Wiley and Sparrow.

SEWERS.—Aldermen Sparrow, Gilbert and Whitney.

STATE AID.—Aldermen Downs, Gilbert, Whitney and Rich.

SPECIAL BUILDING PERMITS.—Aldermen Gilbert and Wiley.

STANDING COMMITTEES OF THE COMMON COUNCIL.

ELECTIONS AND RETURNS.—Councilmen Parker, Lamont and Lapham.

ENROLLED ORDINANCES AND RESOLUTIONS.—Councilmen Clark, Whitaker and Stevens.

SCHOOL COMMITTEE.

WILLIAM H. HODGKINS, Mayor, *Chairman, ex officio.*

L. HERBERT HUNTLEY, President of the Common Council, *ex officio.*
(Term, three years.)

WARD ONE.

S. NEWTON CUTLER (elected 1894).
SANFORD HANSCOM, M. D. (elected 1893).
GEORGE S. POOLE (elected 1892).

WARD TWO.

THOMAS M. DURELL, M. D. (elected 1893).
ALVAH B. DEARBORN, M. D. (elected 1894).
HERBERT A. CHAPIN (elected 1892.)

WARD THREE.

QUINCY E. DICKERMAN (elected 1892).
THOMAS S. WENTWORTH (elected 1893).
FRANK H. HARDISON (elected 1894).

WARD FOUR.

GILES W. BRYANT, M. D. (elected 1892).
MARTIN W. CARR (elected 1893).
GEORGE A. MILES, M. D. (elected 1894).

GORDON A. SOUTHWORTH, *Superintendent and Secretary.*

ASSESSORS.

(Term, three years.)

BENJAMIN F. THOMPSON, *Chairman* (term expires 1896).

SAMUEL T. RICHARDS (term expires 1898).

NATHAN H. REED (term expires 1897).

Clerk of Assessors, ALBERT B. FALES.

ASSISTANT ASSESSORS.

(Term, one year.)

WARD ONE.

FRED. B. CLAPP.

WARD TWO.

CHARLES C. FARRINGTON.

WARD THREE.

EDGAR T. MAYHEW.

WARD FOUR.

HARRY A. TRUE.

BOARD OF HEALTH.

(Term: City Physician, three years; other members, two years.)

ALVANO T. NICKERSON, *Chairman* (term expires 1896).

ALVAH B. DEARBORN, M. D., City Physician (term expires 1898).

ALLEN F. CARPENTER (term expires 1897).

Clerk, WILLIAM P. MITCHELL.

Inspector, CALEB A. PAGE.

Superintendent Collection of Ashes and Offal,

ROBERT DUDDY (resigned Sept. 30).

GEORGE W. S. HUSE (appointed Oct. 1).

OVERSEERS OF THE POOR.

Office, Police Building, Bow street.

WILLIAM H. HODGKINS, Mayor, *Chairman, ex officio.*

(Term, four years.)

EDWARD B. WEST, *President* (term expires 1899).

ALBERT W. EDMANDS (term expires 1897).

HERBERT E. MERRILL (term expires 1898).

EZRA D. SOUTHER (term expires 1896).

Agent, CHARLES C. FOLSOM.

Secretary, CORA F. LEWIS.

SOMERVILLE MYSTIC WATER BOARD.

Office, Prospect street, corner Somerville avenue.

(Term, three years.)

GEORGE D. WEMYSS, *President* (term expires 1897).

5 Austin street.

GEORGE A. KIMBALL (term expires 1898).

7 Munroe street.

WILLIAM FRANKLIN HALL (term expires 1896).

345 Broadway.

NATHANIEL DENNETT, *Supt. Water Works.*

FRANK E. MERRILL, *Clerk.*

REGISTRARS OF VOTERS.

(Term: City Clerk, one year; other members, three years.)

CROMWELL G. ROWELL, *Chairman* (term expires 1897).

CHARLES P. LINCOLN (term expires 1898).

CHARLES E. PARKS (term expires 1896).

GEORGE I. VINCENT, *City Clerk.*

TRUSTEES OF THE PUBLIC LIBRARY.

(Term, three years.)

CHARLES S. LINCOLN, *Chairman* (term expires 1897).

CHARLES A. WEST (term expires 1898).

JOHN B. VIALL (term expires 1896).

J. HENRY FLITNER (term expires 1898).

CHRISTOPHER E. RYMES (term expires 1897).

ELIJAH C. CLARK (term expires 1898).

CHARLES H. BROWN (term expires 1897).

J. FRANK WELLINGTON (term expires 1896).

CHARLES W. SAWYER (term expires 1896).

JOHN S. HAYES, *Librarian and Secretary*.

CITY CLERK AND CLERK OF BOARD OF ALDERMEN.

GEORGE I. VINCENT.

CITY TREASURER AND COLLECTOR OF TAXES.

JOHN F. COLE.

MESSENGER TO CITY COUNCIL.

JAIRUS MANN.

CITY SOLICITOR.

SELWYN Z. BOWMAN.

CITY AUDITOR.

CHARLES S. ROBERTSON.

CITY ENGINEER.

HORACE L. EATON.

SUPERINTENDENT OF STREETS.

THOMAS H. EAMES.

**INSPECTOR OF BUILDINGS AND SUPERINTENDENT OF
PUBLIC BUILDINGS.**

THOMAS R. ROULSTONE (died Oct. 17).

FREDERICK C. FULLER (appointed Nov. 1).

CHIEF OF POLICE.

MELVILLE C. PARKHURST.

CHIEF ENGINEER OF THE FIRE DEPARTMENT.

JAMES R. HOPKINS.

SUPERINTENDENT OF ELECTRIC LINES AND LIGHTS.

LEIGHTON W. MANNING.

CITY PHYSICIAN.

ALVAH B. DEARBORN, M. D.

INSPECTOR OF MILK AND VINEGAR.

THOMAS CUNNINGHAM.

INSPECTOR OF ANIMALS AND PROVISIONS.

THOMAS CUNNINGHAM.

SEALER OF WEIGHTS AND MEASURES.

AMMIEL COLMAN.

CLERK OF COMMITTEES.

WILLIAM P. MITCHELL.

CLERK OF ASSESSORS.

ALBERT B. FALES.

Suitable Persons to Cause to be Properly Interred the Bodies of
Honorably Discharged Soldiers, Sailors, and Marines,
Under Chapter 395, Acts of 1889.

JESSE J. UNDERHILL.

JAMES F. DAVLIN.

CONSTABLES.

JAIRUS MANN.

ROBERT R. PERRY.

CHARLES C. FOLSOM.

EDWARD MCGARR.

CHRISTOPHER C. CAVANAGH.

EUGENE A. CARTER.

PATRICK J. GARVIN.

JOHN B. MCKENNA.

MELVILLE C. PARKHURST.

WILLIAM D. HAYDEN.

JOSEPH J. GILES.

DENNIS KELLEY.

CHARLES L. ELLIS.

CLARENCE TUCKER.

GEORGE H. CARLETON.

JOSEPH W. CURRANT.

FENCE VIEWERS.

LAMBERT M. MAYNARD.

AMMIEL COLMAN.

MEASURER OF WOOD AND BARK.

SAMUEL T. LITTLEFIELD.

MEASURERS OF GRAIN.

JOHN CRAIG.

ALBERT C. LYMAN.

PUBLIC WEIGHER IN CHARGE OF CITY SCALES, UNION
SQUARE.

FULTON O'BRIEN.

WEIGHERS OF COAL.

JOHN CRAIG.	D. WARNER DANFORTH.
GEORGE K. WALCOTT.	THADDEUS HARRINGTON.
CHARLES H. TUCKER.	CLINTON E. SOMES.
GEORGE E. SLACK.	EDWARD L. DUNNING.
GEORGE E. NEWCOMB.	WILLIAM I. NEWCOMB.
AMMIEL COLMAN.	SIDNEY E. HAYDEN.
ROBERT A. YERXA.	IRWIN L. SMITH.

WEIGHERS OF BEEF.

D. WARNER DANFORTH.	THADDEUS HARRINGTON.
CHARLES H. TUCKER.	GEORGE K. WALCOTT.
FREDERICK A. GEILING.	GEORGE E. SLACK.
CLARENCE EDWARDS.	CLINTON E. SOMES.

POLICE DEPARTMENT.MELVILLE C. PARKHURST, *Chief.*

ROBERT R. PERRY, <i>Captain.</i>	EDWARD McGARR, <i>Sergt.</i>
CHRIS. C. CAVANAGH, <i>Sergt.</i>	DENNIS KELLEY, <i>Sergt.</i>
EUGENE A. CARTER, <i>Sergt.</i>	PHINEAS W. SKINNER.
JOHN E. FULLER.	SAMUEL A. BROWN.
ALBION L. STAPLES.	JOHN HAFFORD.
JUDSON W. OLIVER.	GEORGE A. BODGE.
GEORGE W. BEAN.	GEORGE H. CARLETON.
GEORGE L. SMITH.	HUBERT H. MILLER.
EDWARD M. CARTER.	(Resigned July 23.)
JOHN F. JOHNSON.	FRANCIS A. PERKINS.
(Resigned March 1.)	CHARLES S. THRASHER.
EDWARD E. HAMBLIN.	WILLIAM H. JOHNSTON.
CHARLES E. WOODMAN.	JOHN G. KNIGHT.
ARTHUR E. KEATING.	THEODORE E. HERON.
STEPHEN S. SMITH.	JACOB W. SKINNER.
EUGENE H. GAMMON.	DAVID A. BOLTON.
IRA S. CARLTON.	JAMES M. HARMON.
CHARLES W. STEVENS.	MICHAEL T. KENNEDY.
ULYSSES G. SKINNER.	EZRA A. DODGE.
JAMES J. POLLARD.	DANIEL G. SIMONS.
SAMUEL BURNS.	FRED H. GOOGINS.
JOTHAM CHISHOLM.	WILLIAM J. DAVIDSON.

ELMER E. DREW.

MELVILLE C. PARKHURST, *Lockup Keeper.***RESERVE POLICE.**

GEORGE L. RICE.	EUGENE A. WOODSUM.
JOHN A. DADMUN.	JOHN A. RAY.
HERBERT HILTON.	MYRON S. GOTT.
CHARLES W. REICK.	

MAYORS' INAUGURAL ADDRESSES.

CITY OF SOMERVILLE.

IN CONVENTION OF THE CITY COUNCIL, }
January 7, 1895.

RESOLVED: That His Honor, the Mayor, be, and he is hereby requested to furnish the Committee on Printing with a copy of his inaugural address for publication.

Read twice and adopted.

GEORGE I. VINCENT, *Clerk.*

IN CONVENTION OF THE CITY COUNCIL, }
January 6, 1896.

RESOLVED: That His Honor, the Mayor, be, and he is hereby requested to furnish the Committee on Printing with a copy of his inaugural address for publication.

Read twice and adopted.

GEORGE I. VINCENT, *Clerk.*

B

INAUGURAL ADDRESS

DELIVERED BY

HON. WILLIAM H. HODGKINS,

JANUARY 7, 1895.

GENTLEMEN OF THE CITY COUNCIL:—

For the third time in the history of Somerville the voters have elected a Mayor for the fourth consecutive term. Renewing my oath of office, it is fitting that I should acknowledge my deep sense of personal obligation to my fellow-citizens for the honor conferred upon me for the fourth time, indicating, as it does, the confidence reposed in me. I should be less than human did I not respond with expressions of sincere thankfulness that my public course has been such as to receive this testimonial of high esteem.

But while a new honor has been added, I can but realize that another draught is to be made upon my strength and ability to perform the duties of the high office. Experience has taught me that the position of Mayor of this growing city demands all the strength, and courage, and patience the incumbent possesses, and more than all else the sustaining grace and power of the Almighty. As I meet the cares and problems of another year, differing, in many respects,

<i>Amount brought forward</i>	\$87,500
Schoolhouse, Edgerly addition	2,000
Schoolhouse, High and English High, heating, ventilating and plumbing	35,000
Schoolhouse, O. S. Knapp addition	15,500
Schoolhouse, Ward Four, south side Fitch- burg Railroad	12,000
Sewers, construction	20,000
Total amount of increase	<u>\$172,000</u>

The debt was reduced during the year by payments as follows:—

Funded Debt, City Loan	\$83,000
Funded Debt, Sewer Loan	1,000
Funded Debt, Paving Loan	5,000
Funded Debt, Water Loan	18,000
Total amount of reduction	<u>\$107,000</u>

Leaving the Funded Debt of the city January 1, 1895, \$1,344,500 (an increase of \$65,000 over the previous year), classified as follows:—

City Loan Bonds bearing interest at 4 per cent.	\$444,000
City Loan Bonds bearing interest at 4½ per cent.	233,000
City Loan Bonds bearing interest at 5 per cent.	165,000
City Loan Sewer Bonds bearing interest at 4 per cent.	20,000
City Loan Sewer Bonds bearing interest at 4½ per cent.	17,000
City Loan Sewer Bonds bearing interest at 5 per cent.	35,000
City Loan Paving Bonds bearing interest at 4 per cent.	90,000
Water Loan Bonds bearing interest at 4 per cent.	248,000
Water Loan Bonds bearing interest at 5 per cent.	82,500
Water Loan Bonds bearing interest at 5½ per cent.	10,000
Total Funded Debt January 1, 1895	<u>\$1,344,500</u>

The above represents the net indebtedness of the city, the unfunded liabilities, for temporary loans, etc., being equalled by its assets, which consist of uncollected taxes, sewer and sidewalk assessments, etc.

To provide for the payment of the current expenses, State and County taxes and debt requirements for the past year, the annual tax levy was made as follows:—

Real estate, valuation	\$40,598,900
Personal property, valuation	3,544,000
Total valuation	<u>\$44,142,900</u>

A rate of \$15.70 on \$1,000 valuation, with 14,061 polls at \$2 each, gives the total amount of tax levy, \$721,165.53.

The appropriations provided for by the tax levy were as follows:—

Fire Department	\$ 43,000.00
Health Department	12,000.00
Highways	60,000.00
Indigent Soldiers and Sailors	500.00
Interest	65,000.00
Miscellaneous	6,600.00
Police	25,000.00
Police Station Incidentals	3,500.00
Printing and Stationery	6,500.00
Public Grounds	4,500.00
Public Library	6,500.00
Reduction of Funded Debt	100,000.00
Relief and Burial of Indigent Soldiers and Sailors	4,000.00
Salaries	35,400.00
School Contingent	16,000.00
School Contingent, Janitors' Salaries	11,000.00
School Fuel	9,000.00
Schoolhouse Incidentals	12,000.00
School Teachers' Salaries	125,000.00
Sewers, Maintenance	7,000.00
Sidewalks	10,000.00
Street Lights	44,000.00
<i>Amount carried forward</i>	<u>\$606,500.00</u>

<i>Amount brought forward</i>	.	.	.	\$606,500.00
Support of Poor	.	.	.	15,000.00
Watering Streets	.	.	.	7,000.00
				<hr/>
For current expenses	.	.	.	\$628,500.00
State of Massachusetts, State tax	.	.	.	31,380.00
State of Massachusetts, Metropolitan Sewer assmt.				22,230.79
State of Massachusetts, Non-resident Bank stock				847.80
County of Middlesex, County tax	.	.	.	34,317.59
Overlay and Abatement, added for fractional divisions and abatement	.	.	.	3,889.35
				<hr/>
Total amount of appropriations provided for by the tax levy	.	.	.	\$721,165.53

In addition to the above, the following appropriations were made from the various income accounts, viz.:—

Police, the amount received of the State for Corporation and bank taxes	.	.	.	22,225.59
Public Library, the amount received of the County for dog licenses	.	.	.	2,710.90
Water Maintenance, from the income of the water works	.	.	.	32,500.00
Water Works Construction, from the income of the water works	.	.	.	30,000.00
Water Loan Interest, from the income of the water works	.	.	.	15,415.00
				<hr/>
<i>Amount carried forward</i>	.	.	.	\$824,017.02

Amount brought forward \$824,017.02

Reduction of Funded Debt, balance of income of
the water works (estimated) 5,486.30

Total amount of appropriations for the year \$829,503.32

The following tables, giving a condensed history of the city's finances, are herewith presented for comparison and reference:—

YEAR.	Amount of Funded Debt.	Increase of Funded Debt.	Reduction of Funded Debt.	Tax Rate Per \$1,000 Valuation on account of Reduction of Funded Debt.
Town	\$ 593,349	— —	— —	—
Dec. 31, 1872	643,354	\$ 50,005	— —	—
" 1873	809,354	166,000	— —	—
" 1874	1,419,854	610,500	— —	—
" 1875	1,571,854	152,000	— —	—
" 1876	1,606,844	45,000	\$ 55,130.62	\$2.07
" 1877	1,606,854	10,000	58,828.58	2.30
" 1878	1,596,854	— —	61,004.64	2.91
" 1879	1,585,000	— —	64,915.76	3.42
" 1880	1,585,000	— —	55,739.35	2.72
" 1881	1,585,000	— —	58,498.64	2.59
" 1882	1,585,000	— —	61,390.59	2.65
" 1883	1,585,000	— —	64,479.01	2.70
" 1884	1,585,000	— —	67,719.33	2.78
" 1885	*1,525,000	— —	71,305.66	2.87
" 1886	1,525,000	— —	66,894.23	2.57
" 1887	1,525,000	— —	70,252.88	2.56
" 1888	*860,500	25,000	37,000.00	1.28
" 1889	952,500	130,000	38,000.00	1.27
" 1890	1,057,500	150,000	45,000.00	1.38
" 1891	1,045,500	45,000	57,000.00	1.55
" 1892	1,194,500	253,000	104,000.00	2.73
" 1893	1,279,500	222,000	137,000.00	3.27
" 1894	1,344,500	172,000	107,000.00	2.42

* Sinking Fund applied.

YEAR.	VALUATION.	TAX LEVY.	RATE.
1872	\$22,755,325	\$274,374.45	\$13.00
1873	29,643,100	389,214.48	12.80
1874	30,837,700	473,235.50	15.00
1875	31,317,000	518,161.40	16.20
1876	26,573,400	504,745.24	18.60
1877	25,479,400	471,789.14	18.10
1878	20,976,900	409,497.10	19.00
1879	18,950,100	352,553.80	18.00
1880	20,458,100	402,927.71	19.10
1881	22,569,100	452,945.45	19.50
1882	23,162,200	425,721.16	17.80
1883	23,812,900	411,645.43	16.70
1884	24,331,100	418,750.26	16.60
1885	24,878,400	428,605.44	16.60
1886	26,003,200	416,987.28	15.40
1887	27,471,800	424,309.14	14.80
1888	28,765,400	421,458.60	14.00
1889	30,004,600	440,324.40	14.00
1890	32,557,500	447,704.00	14.00
1891	36,843,400	539,137.10	14.00
1892	38,093,100	596,357.50	15.00
1893	41,873,600	675,886.80	15.50
1894	44,142,900	721,165.53	15.70

STATEMENT OF PUBLIC PROPERTY.

The value of the property of the city December 31, 1891, was \$1,685,637.46. The property acquired during the year 1892 was as follows:—

Nathan Tufts Park	\$21,591.45
Edgerly Schoolhouse addition	11,217.50
Water Works extension	34,863.17
Land on Tufts street.	2,142.00
Total	<u>\$69,814.12</u>

Less property sold :—

Union Schoolhouse, Prospect, land and bldg.	\$2,600.00	
Gravel land in Winchester	500.00	
	<u> </u>	\$ 3,100.00
Net increase		<u>\$66,714.12</u>

The value of the property of the city December 31, 1892, was \$1,752,351.58. The property acquired during the year 1893 was as follows:—

Estate of the First Congregational Society, Central Hill	\$45,000.00
Fire Department, relief engine	3,000.00
Fire Department, land on Highland avenue	2,970.83
Nathan Tufts Park	13,466.33
Schoolhouse in Ward Three (Glines)	1,200.68
Schoolhouse in Ward Four, south side Fitchburg Railroad	3,255.39
Schoolhouse, Edgerly addition	11,825.83
Schoolhouse, Bingham addition	5,710.00
Schoolhouse, English High	2,018.00
Water Works extension	35,545.30
Total amount of property acquired during the year,	<u>\$123,992.36</u>

The value of the property of the city December 31, 1893, including an increase in valuation of old property by the committee of that year amounting to \$104,867.88, was \$1,981,211.82. The property acquired during the year 1894 was as follows:—

Fire Department, central fire station	\$22,286.43
Fire Department, central fire station, electrical apparatus, etc.	2,106.32
Fire Department, chemical engine and equipment	2,498.53
Fire Department, hook and ladder station, Highland avenue	9,232.48
Fire Department, hook and ladder station, equipment and furniture	3,719.00
Fire Department, land for fire station, Ward One	6,000.00
Highways, city stable	10,351.88
Nathan Tufts Park	17,649.28
Schoolhouse, Bingham addition	9,206.87
Schoolhouse, Edgerly addition	1,837.19
Schoolhouse, English High	44,185.33
<i>Amount carried forward</i>	<u>\$129,073.31</u>

<i>Amount brought forward</i>	\$129,073.31
Schoolhouse, English High, heating, ventilating and plumbing	27,797.28
Schoolhouse, O. S. Knapp addition	12,623.46
Schoolhouse, Ward Four, south side Fitchburg Railroad	16,190.10
Water Works extension	28,375.67
	<hr/>
	\$214,059.82

RECAPITULATION OF PUBLIC PROPERTY.

1889 to 1894, inclusive.

Public property December 31, 1888	\$1,287,023.44
Public property acquired in 1889	\$123,637.42
Public property acquired in 1890	136,507.07
Public property acquired in 1891	138,469.53
Total amount of new property	398,614.02
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Public property December 31, 1891	\$1,685,637.46
Amount of public property December 31, 1891, as per inventory	\$1,685,637.46
Property acquired in 1892	\$ 66,714.12
Property acquired in 1893	123,992.36
Property acquired in 1894	214,059.82
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Total amount of new property	\$404,766.30
Increase in valuation of old property by committee in 1893	104,867.88
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Total amount of public property Dec. 31, 1894	\$2,195,271.64

The unexpended balances of public property accounts, not included in the above, but represented in the funded debt account, amount to \$63,355.28.

Complaint has been made in some quarters that the valuation of the city has been unduly increased during the past three years. This statement is not true. While human judgment is not infallible,

and some property is quite as likely to be undervalued as overvalued, I believe the Board of Assessors is composed of conscientious, discriminating and experienced men. I am inclined to the belief that an unexpected increase of the tax rate has caused more complaint than overvaluation, and that "hard times" has been the most potent cause for complaint. An examination of the treasurer's reports will prove the fact that the percentage valuation during the last three years has not increased, but rather decreased.

The valuation of the city in 1880 was \$20,458,100. It was increased during the four years' term of Mayor Cummings, nineteen per cent.; during the four years' term of Mayor Burns, twenty-one per cent.; during Mayor Pope's administration, twenty-seven per cent., and in the last three years, sixteen per cent. But from last year's valuation should be deducted the valuation of property never before assessed in any administration, including the grounds of the McLean Asylum, used for railroad purposes, making the net increase of valuation on the natural growth of the city, less than fifteen per cent.

During the previous administration the city debt was increased \$185,000. During the past three years, \$299,000.

Of this amount \$100,000 was borrowed before I came into office, but as this administration has been credited with the payment of \$87,500 of this loan, and may possibly have the credit of paying the balance, it is allowed to stand against this administration. Allowing the credit of \$12,500, and deducting the special loan of \$100,000 for paving of Somerville avenue, the debt of the city for ordinary purposes has been increased only \$1,500 over the last administration. A neighboring city with a valuation of \$44,000,000, has a debt of \$3,479,676, or more than two and one-half times that of Somerville.

The value of our public property is \$2,202,302.68, not including the amount of \$61,913.77, not yet paid out, but represented in the funded debt, not to mention the paving loan of \$100,000, or the sum of \$785,000 — the cost of our sewer system. There are but few cities in the Commonwealth whose financial standing is superior to that of Somerville.

The average tax rate of the thirty cities of the State is \$16.18, our tax, \$15.70, being forty-eight cents per thousand below the average and thirty-eight cents below the average tax rate of Somerville since its incorporation. The city tax rate last year was \$13.77, but the State, and the increased County and Metropolitan Sewer tax, \$1.93,

increased the rate to \$15.70. It is expected that the State tax will be less than last year, but I am informed that the County tax will be somewhat increased. It is possible that the Metropolitan Sewer tax will be larger than last year. We begin the year in good financial condition, and all the departments are free from any deficiency.

The number of building permits issued during the year by the Inspector of Buildings has fallen somewhat from that of the previous year. The number of permits for dwellings issued has been 339, but the Superintendent informs me that these dwellings are designed for 752 families, classified as follows: Ward One, 39; Ward Two, 208; Ward Three, 256; Ward Four, 249; total, 752. If these families average four persons each, the increase of population at the rate of 3,000 per year can easily be accounted for.

PUBLIC SCHOOLS.

Activity in school building has prevailed during the past year. The Bingham and Knapp schools have been enlarged, and the George W. Durell School (named in honor of the beloved senior pastor of the city — the dean of Somerville) has been erected. This building was referred to as the "Kent Street School" one year ago. The new English High School, now in course of rapid completion, crowns our Central Hill, and is a credit to all who have been engaged in its construction. The work of finishing the interior is in progress, and the building will be completed and ready for occupancy in a short time. The School Board, it is understood, does not propose to use it until the beginning of the next school year. Appropriations will be required to fit up manual training rooms and to purchase furniture. This money will soon be required in order that everything may be in readiness for use when wanted. Appropriations will also be required for school accommodations. Time will not permit me to dwell at length upon the recent very practical and interesting annual report of the Superintendent of Schools. Indeed, there is no reason why I should do so, because the press is already discussing its merits. The Superintendent has prepared a school map of the city, whereon is located in circular lines each school district, showing the grammar school centres, the location of every schoolhouse, and the territory it is intended to serve; and additional circles are drawn to show the proper location of all schools to be erected to cover the portions of the city now being built up. The first recommendations are that a

new twelve-room grammar school be built in West Somerville in the vicinity of Holland and Jay streets, and that a four or six-room building be erected on the vacant land adjoining the Prescott School on Myrtle street. The advantage of this location is that these buildings can be heated by the same engine and cared for by the same janitor. This plan was suggested in the report one year ago, but no definite action was taken. The report contains recommendations for erection of other schools, but the two mentioned are deemed to be the most important. It gives me pleasure to state that the cost of each pupil in the average membership has been reduced to \$22.90 per annum — seventy-eight cents less than last year, and \$1.03 per pupil less than in 1892. The average expenditure on schools account during the past three years has been reduced more than five per cent.

HIGHWAY DEPARTMENT.

I have annually reviewed at considerable length the work needed to be done upon some of our important thoroughfares, but not as much of it has been undertaken as could be desired, partly by reason of the limited appropriation beyond the cost of maintaining the department. However, extensive repairs have been made on Washington street, from the Fitchburg Railroad to Beacon street; Elm street, from Willow avenue to Cedar street; Medford, from Somerville avenue to railroad crossing; School street, from Berkeley street to Somerville avenue; besides Central, Greenville, Gorham, Claremon, Hudson and New Cross streets. Twenty-one streets have been laid out, and sidewalks, at a cost of more than \$19,000, laid in twenty-seven streets, covering nearly 16,000 square yards with three and one-tenth miles of edgestones. Two miles of private streets have been laid out and accepted. The length of streets, courts and alleys in the city are: Public streets, 51.94 miles; private streets, 32.80 miles; total, 84.74 miles.

During the year the new city stable has been built and occupied. It is commodious, and intended to anticipate some of the future needs of this department. Several difficult problems will confront the Highway Committee this year in relation to the best method of placing the principal thoroughfares in good condition. Among these are Somerville avenue, from the East Cambridge line to Medford street; Washington street, from the Boston line to Medford street; Medford street, from the East Cambridge line to Somerville avenue, which should, in

my opinion, be paved, as it has been literally cut up by excavations for two sewers, two water mains and one gas main, and for these reasons the subsoil is in very bad condition; Mystic avenue, which the County Commissioners have ordered the city to rebuild and grade—the work to be completed during the present year. The following named streets need rebuilding or extensive repairs: Highland avenue, from Medford street to Davis square; Webster avenue, from Cambridge line to the Fitchburg Railroad; Medford street, from Cross to Highland avenue; and Gilman square to Magoun square, with parts of Pearl, Summer and Beacon streets. I do not know that it will be possible to do all this work within the limits of the year, but the most important part of it can be accomplished, and the work kept in hand until these and other improvements are made. My opinion is that it is of more importance to repair or rebuild some of these old streets rather than at present to build many of the lately accepted streets, although the Highway Committee must judge as to the prior necessity.

An important subject which should receive your early attention is the question of how to reach that portion of Somerville south of the Fitchburg Railroad and west of Park street—the portion known as the “George W. Durell School district.” The subject of reaching it by an overhead foot-bridge and by a subway was considered by the Highway Committee last year, but no definite result was recorded. The assessed valuation of real estate in that section is \$571,800. It is a section cut off in a large measure from communication with the westerly part of the city. When the new schoolhouse was built, it was for the stated purpose of preventing the scholars from crossing the track at Kent street, but while the children living on the south side are not obliged to cross, the order has been reversed, and the children from the north side who are obliged to attend the new school are forced to cross, and naturally take the shortest path—across the track at Kent street. It seems to me that the subject of building a road-bridge in Kent street should receive your early and favorable consideration.

SEWERS.

The City Engineer has forwarded to me a communication of too great a length to be inserted in this address, in relation to the sewer system of the city and its needs. It will be presented to the City Council at an early day. Two miles of sewers have been built during

the past year at a cost of \$15,901.20. The total length of the system is 58.59 miles, and the total cost has been \$785,000.

FIRE DEPARTMENT.

The manual force of this department, when complete, consists of 102 men, including the acting laddermen on Ladder No. 2, who have not as yet received full appointment, it having been thought best that they should serve a short probationary term. Total permanent men, 22; call men, 80. Nine vacancies now exist in the call force. Eight permanent men were added to the force last year. The importance of a sufficient number of permanent men employed, in order that no piece of apparatus will go to a fire without a nucleus of men to put it in immediate operation, cannot be denied, and should receive the attention of the City Council. One hundred and eight bell alarms and 23 still alarms have been given during the year. The total loss by fire has been \$79,144.00; insurance on the property amounted to \$144,944.00.

All the recommendations in relation to this department contained in the inaugural address of 1894 have been carried into effect, viz.: The erection of a central fire station on the Brastow Schoolhouse lot; of a hook and ladder house on Highland avenue; the purchase of a site of a steamer station in Ward One; the purchase of a chemical engine, additional equipments for the new houses and the extension of the fire-alarm system, have been carried into effect. In no year has the Fire Department been provided with such buildings and appliances. It affords me pleasure to have the Chief Engineer say that "the central fire station is in every way equal to that owned by any city in the State, and one in which any citizen can take pride." Prominent citizens have expressed gratification that it is a building erected with the idea "that Somerville has a future."

The Chief Engineer calls attention to the fact that owing to the increasing number of tall buildings and apartment houses, it may soon be necessary to procure an aerial ladder truck. Room for this, as well as the relief engine, is provided for in the new central fire station. He recommends that a building be erected on the lot of land purchased for that purpose on Broadway, opposite Franklin street, to furnish room for a steam fire engine, wagon and other apparatus. He states that it is needed there, as the gravity water pressure is not maintained when several streams are taken from hydrants.

Steam is necessary to furnish effective streams. The department is in effective condition.

POLICE DEPARTMENT.

That this department is admirably conducted may be inferred from the immunity from crime during another year. The faithful and efficient service rendered by the Chief in the execution of the responsible duties of his office has been of great assistance to me. My recommendation of last year for the appointment of three additional patrolmen, and a matron to take exclusive care of female prisoners, was confirmed by the City Council, as that to provide additional boxes and circuits. The force numbers forty-two men, rank and file.

The Chief is of the opinion that a reserve force of six or eight men should be established under the laws, the men to be under pay only when employed. Such a force is needed from which to detail men to take the place of regular men when absent from duty. The usual number of men could thus be kept on duty, and no route or section would be neglected. He wishes to establish a system of keeping a good reserve of the regular men, who, when not on the streets, will be at the station at night or other time of the day for fire and other emergency calls. To carry this into effect, he would need the rooms now occupied by the Somerville Light Infantry. I favor this suggestion. The military company is in need of better accommodations. The Adjutant-General has reduced the rental of the rooms to \$300 per annum for this reason. I recommend that an effort be made to find more suitable quarters for the company. Our citizens look upon the company with commendable pride. It is our only active military organization, and should be provided with more adequate accommodations. The ambulance has been placed in the police department, and already 90 calls have been made for its service.

Mrs. Mary A. Staples was appointed matron, and her calls have been promptly made. She is kind to the female prisoners, and faithful in the discharge of her duties.

There are some patrolmen—two or three in number—who should be provided with some light work, or retired. Their places on the street could be taken by men in the reserve force, should it be established. With this exception the force will compare favorably with any of its numbers in the State.

OVERSEERS OF THE POOR.

During the early part of the year the Board of Overseers of the Poor were actively engaged, owing to the general depression of business, and consequent hard times. Many men were out of employment and required some assistance. The Board has aided 1,188 persons, representing 268 families, an increase of 294 persons and 30 families, compared with 1893.

There are now 56 insane patients in the State lunatic hospitals and private families, and 27 sane persons are being supported in out-of-town almshouses and private families.

The finances of the Board have been well managed, the net expenses of the department being about \$17,000.

The Board at its last meeting expressed the earnest desire that something may be done at the beginning of the present year in regard to providing a suitable house for the unfortunate poor. If an almshouse were ready for occupancy to-day, there are nearly 50 persons who would be admitted at once. The hope of the overseers to obtain an almshouse has been long deferred. Year after year a similar request has been made, but nothing of a definite nature has been accomplished. To my mind there is an element of pathos in the attitude of these successive Boards. They have pleaded for the poor. Some one has said, "The recommendation for an almshouse in Somerville is a safe one to make." These overseers are business men identified with the interests of Somerville. They have had experience in the care of the poor. Personally, I have no doubt that the present system of boarding out the poor is much the cheaper method. But is it the wisest and most humane method? Is it best for the good name of Somerville? Before making a formal recommendation upon this subject, I suggest that the overseers be authorized to hire a house for the proper accommodation of those needing full support, if a suitable one can be found in the city.

During the year many persons have been aided with money, clothing and work, and others kept from pauperism and city relief by the Board of Associated Charities, organized a little more than a year ago. This body dispenses in a practical and effective manner the private contributions of the charitable. It receives no appropriation from the city, but labors in harmony with all organizations for the relief of the indigent.

SOMERVILLE MYSTIC WATER BOARD.

This Board has been actively employed during the year in the regular work of the department, and in relaying with cast-iron pipe nearly five miles of streets, replacing old cement pipe of sizes ranging from two to eight inches. The length of pipe extended is about two and one-fourth miles. The net increase of hydrants set has been 61, or nearly twice the net increase for 1893, and 361 service pipes have been put in, the total length being 7,890 feet.

The new regulations relative to services, which were adopted by the Board early in 1894, provide for the laying of the pipes to the street line only, thus causing a decrease in number of feet laid from that of previous years.

The work of principal importance has been the relaying with cast-iron pipe of Somerville avenue, from Central street to Elm street, about 1,720 feet; Elm street, from Somerville avenue to Willow avenue, about 2,800 feet; Highland avenue, from Walnut street to Central street, about 2,900 feet; Summer street, from Preston street to Cherry street, extending the same to Willow avenue, about 5,000 feet; Marshall street, from Broadway to Pearl street, about 1,675 feet. There has also been laid new pipe in Wallace, Irving, Orchard, Craigie streets and Linden avenue, over 1,000 feet each; and a large number of streets requiring an average of 500 feet each.

ELECTRIC LIGHTS AND LINES.

The Superintendent reports that during the year 30 arc and 21 incandescent lights have been added, and 22 incandescent lights have been discontinued. The number of arc lights added the year before was 41, or 11 more than the number added last year. There are now in use 348 arc, 209 incandescent, and three oil lamps.

The fire alarm has been transferred to the central fire station, the entire upper story being devoted to electrical apartments. A large battery room, capable of holding 1,000 jars, provides for the future growth of the city, and prevents the past crowded condition of the room.

A new eight-circuit repeater has been put in, with two bell circuits combined. The circuits have been increased from three to seven, thus affording a better protection to the city. Formerly, if a break occurred, one third of the city was left unprotected until the

trouble on the line could be remedied; now, by arrangement of boxes and lessening of territory covered by each circuit, but a small portion is left unprotected during a break or trouble on the line.

A bell of 3,000 pounds has been placed on the new central fire station; also one on Hook and Ladder No. 2, Highland avenue. Five new alarm boxes have been put in circuit during the year. The fire alarm is one of the best in the State. New boxes are needed in the isolated parts of the city, and a striker to take the place of the bell formerly on the Unitarian Church, now placed on Hook and Ladder No. 2. Either the old or the new High School would be a good location for such a striker. A horse and wagon for use in repairing breaks, conveying material, and dispatch in reaching trouble on the line, is much needed. There is ample room for this team at the central fire station.

SUGGESTIONS AND RECOMMENDATIONS.

In view of the reports of the departments to which I have referred, I recommend to your careful consideration and favorable action: —

1. The request of the School Board for the erection of a twelve-room grammar schoolhouse in West Somerville, on Holland street, near Simpson avenue; the erection of a four or six-room building in connection with the Prescott School; an appropriation of \$3,500 for fitting up the manual training school in the English High School; an appropriation for furnishing the English High School. This school will, in addition, require \$7,500 for teachers' salaries, and \$4,000 for equipment of books and apparatus. As considerable time will be required to manufacture the furniture, it seems desirable that this appropriation should be made as soon as possible.

2. The recommendation of the Superintendent of the Fire Department for the erection of a steamer house on the land on Broadway, purchased for that purpose.

3. The appointment of a special committee to take immediate action to secure for Somerville some of the advantages to be derived from the boulevard proposed by the Metropolitan Park Commission. Both the City Solicitor and Mayor have been endeavoring to secure some consideration of the claims of this city, but an active committee is needed to assist in this work.

4. The organization of a reserve force in the Police Department, and providing another armory for the Somerville Light Infantry. I also recommend that the room occupied by Justice Story in the court building be put in better condition.

5. The paving of Medford street, from the Cambridge line to Somerville avenue, and such action with reference to other streets in that locality as shall commend itself to your good judgment.

6. That an additional appropriation of \$3,000 be made to complete the \$6,000 required to furnish necessary stacks for books in the Public Library, in order that this work may be completed at an early day, and that arrangements be made as soon as possible to provide room that will be imperatively demanded when the stacks are completed. My views on this subject were fully set forth one year ago. I am in hearty sympathy with the project, and at no far distant day I hope to recommend a definite plan with reference to its execution in accordance with the desires of the trustees and the people.

7. The Board of Health will require more money in consequence of the additional work to be performed in the maintenance of a stable. The old city stable has been placed in care of this Board, and the public may be assured that the removal of ashes and offal will be conducted promptly and in a satisfactory manner. The recommendation of the Board of Health of 1892 will be included in the new order of things, and Wyatt's pit will be used as a dumping ground.

NEW CITY HALL.

The views stated in my address one year ago in relation to this subject have undergone no change, and I do not know that I could express them in stronger language, although the condition of affairs is worse to-day than it was at that time. Nothing that I said that day was received with so many manifestations of approval. Whenever the building shall be erected it should be provided for by money borrowed on a long loan. Our \$12 limit does not provide more than enough to meet our current expenses, and the basis of our borrowing capacity does not afford us much more than is needed for the improvements carried into effect on funded debt account. It has been so every year and will so continue. The Legislature has always manifested a willingness to permit cities to borrow on long time, beyond

the debt limit, for much needed public improvements. We could not have paved Somerville avenue in one year by any other method.

I believe that the only thing lacking in the public spirit of the citizens of Somerville is the determination to develop and exhibit itself. It must have some centre of attraction. In my opinion it must grow up around this hill and centre here. This is the centre. From the organization of the town and for many years it was the religious centre, here, in this very house. For 42 years it has been the centre of advanced public school education. Since the organization of the city it has been the centre of civil government. Our Public Library is here. The memorials of patriotism should be here. Here, on this very summit,—the Shiloh of the town,—we shall yet witness the development of what is grand and inspiring, and patriotic in the public spirit of Somerville. I commend this subject to your careful consideration.

Gentlemen of the City Council:—

I have claimed your attention longer than I intended, but not longer than a cursory glance at the affairs of our city seems to demand. Much has been omitted, which, perhaps, to your minds, may be regarded of equal, if not superior, importance to the topics I have referred to. They will commend themselves to you as you go forward in the duties which we have now sworn to perform. We came here as citizens, we shall go out public servants. The citizens have entrusted the welfare of the city to our watchful care and conscientious votes, and we have accepted the trust. Let none of us disappoint any who have placed confidence in us. I look forward with great hope, and at the same time, deep solicitude. Many problems yet unsolved in the public mind await our judicious action. The tendency is always strong to legislate along the lines of ward limits. Naturally we are glad to do pleasant things for the benefit of neighbors and friends, but now that we have subscribed to the oath of office, we are expected to act for the best interest of the entire city. The welfare of the city is the welfare of all the wards. The city is greater than the wards. The city is not made up of, but is divided into wards. The greater includes the less. The city is the unit. Somerville claims us now. Somerville, with its teeming population, with all its great and multiplied interests, Somerville — its good name,

its reputation, its municipal honor — demands all that is best in us. We will sink all personal and local considerations, and labor, doing with our might what our hands find to do, early and late, in the storms of misunderstanding and prejudice, if they befall us, as well as in the pleasant sunlight of appreciated service, remembering that “whosoever will be the chiefest shall be servant of all.”

C

INAUGURAL ADDRESS

DELIVERED BY

HON. ALBION A. PERRY,

JANUARY 6, 1896.

GENTLEMEN OF THE CITY COUNCIL:—

Conformably to a time-honored custom, and in compliance with the provisions of the city charter, we have assembled at the beginning of a new municipal year to subscribe to our several oaths of office, and organize for the discharge of important public duties, which, by the suffrages of our fellow-citizens, we have been chosen to perform. On your behalf, not less than my own, I desire to record my grateful acknowledgment of the honor conferred upon us in thus committing to our care the material interests of our beloved city. May it be our conscientious endeavor to prove ourselves worthy of the confidence reposed in us. This we can only do by an intelligent, honest, and painstaking course of official action, which shall conduce to the prosperity of Somerville and the well-being of all her people.

To-day one of the ablest and most high-minded of our mayors, Hon. William H. Hodgkins, leaves the official position which, during the last four years, has been graced by his presence, and exalted by his wisdom and fidelity. He has given freely of his time and abilities to promote the welfare of our city, sacrificing personal interests, and even impairing his health, that he might leave no public duty unperformed. As he retires to the ranks of private citizenship let us tender to him warmest assurance of our appreciation of his distinguished service in behalf of the city.

At present it would be almost presumptuous on my part to enter into an exhaustive discussion of the condition and needs of Somerville. The intimate knowledge of details, which alone would make such a discussion interesting to the people and serviceable to you, can only be acquired by patient study and careful investigation. No time has yet been afforded me for such research. I shall, therefore, devote the greater part of this address to a general consideration of the policy which, in my judgment, ought to be pursued in the management of some of the more important departments of the city's affairs. If I direct your attention to existing imperfections, or make pointed suggestions as to reforms, please bear in mind that this is done in no captious spirit. Somerville does not need the services either of a censor or an apologist. Her standing among sister cities is high and honorable. Even in those particulars where greatest advancement can be made, she occupies no inferior position. I shall urge radical improvements in several branches of her service, not for the reason that she is now lagging in the rear, — this I do not believe, — but because I desire to see her marching proudly at the front, a leader and guide for other cities of the Commonwealth. Believing that greater clearness of statement will be thus attained, I shall follow the usual custom and group my remarks under specific titles.

STATEMENT OF FINANCES.

The funded debt of the city January 1, 1895, was as follows : —

Funded Debt, City Loan	\$842,000
Funded Debt, Sewer Loan	72,000
Funded Debt, Paving Loan	90,000
Funded Debt, Water Loan	340,500
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Total Funded Debt	\$1,344,500

The debt was increased during the year by appropriations made by the City Council as follows : —

Fire Department, Central Fire Station .	\$ 5,700
Fire Department, Fire Station, Ward One	17,700
Fire Department, Hook and Ladder Station, Highland avenue	1,100
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<i>Amount carried forward</i>	\$24,500

<i>Amount brought forward</i>	\$ 24,500
Highways, City Stable	6,000
Highways, paving Medford street, Somerville avenue to Cambridge line	27,400
Public Grounds, Wyatt's Pit	3,600
Public Library Improvement	3,000
Renewals of Funded Debt	177,000
Schoolhouse, English High	27,000
Schoolhouse, High and English High, heating, ventilating, and plumbing	1,000
Schoolhouse, O. S Knapp, addition	1,500
Schoolhouse in Ward Four (William H. Hodgkins)	53,000
Sewers, construction	50,000
Sewers account (amount unappropriated)	50,000
Total amount of increase	<u>\$424,000</u>

The debt was reduced during the year by payments as follows :—

Funded Debt, City Loan	\$236,000
Funded Debt, Sewer Loan	2,000
Funded Debt, Paving Loan	5,000
Funded Debt, Water Loan	19,000
Total amount of reduction	<u>\$262,000</u>

Leaving the funded debt of the city January 1, 1896, \$1,506,500 (an increase of \$162,000 over the previous year), classified as follows :—

City Loan Bonds bearing interest at 4 per cent.	\$721,000
City Loan Bonds bearing interest at $4\frac{1}{2}$ per cent.	209,000
City Loan Sewer Bonds bearing interest at 4 per cent.	119,000
City Loan Sewer Bonds bearing interest at $4\frac{1}{2}$ per cent.	16,000
City Loan Sewer Bonds bearing interest at 5 per cent.	35,000
<i>Amount carried forward</i>	<u>\$1,100,000</u>

<i>Amount brought forward</i>	\$1,100,000
City Loan Paving Bonds bearing interest at 4 per cent.	85,000
Water Loan Bonds bearing interest at 4 per cent.	242,000
Water Loan Bonds bearing interest at 5 per cent.	69,500
Water Loan Bonds bearing interest at $5\frac{1}{2}$ per cent.	10,000
<i>Total Funded Debt January 1, 1896</i>	<u>\$1,506,500</u>

The foregoing amount represents the net indebtedness of the city, the unfunded liabilities for temporary loans, etc., being equalled by its assets, which consist of uncollected taxes, sewer and sidewalk assessments, etc.

To provide for the payment of the current expenses, State and County taxes, and debt requirements of the past year, the annual tax levy was made as follows:—

Real Estate, valuation	\$42,879,000
Personal Property, valuation	3,627,300
Total valuation	<u>\$46,506,300</u>

A rate of \$15.40 on \$1,000 valuation, with 14,706 polls at \$2.00 each, gives the total amount of tax levy \$745,609.02.

The appropriations provided for by the tax levy were as follows:—

Fire Department	\$47,000.00
Health Department	21,000.00
Highways	60,000.00
Indigent Soldiers and Sailors	300.00
Interest	70,000.00
Miscellaneous	6,000.00
Police	23,000.00
Police Station Incidentals	3,000.00
Printing and Stationery	6,000.00
Public Grounds	7,000.00
Public Library	6,500.00
Reduction of Funded Debt	76,000.00
<i>Amount carried forward</i>	<u>\$325,800.00</u>

<i>Amount brought forward</i>	\$325,800.00
Relief and Burial of Indigent Soldiers and Sailors	5,000.00
Salaries	37,500.00
School Contingent	18,000.00
School Contingent, Janitors' Salaries	12,000.00
School Fuel	9,000.00
Schoolhouse Incidentals	13,000.00
School Teachers' Salaries	134,000.00
Sewers, Maintenance	7,000.00
Sidewalks	10,000.00
Street Lights	45,000.00
Support of Poor	16,150.00
Watering Streets	6,000.00
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For current expenses	\$638,450.00
State of Massachusetts, State tax	25,890.00
State of Massachusetts, Metropolitan sewer assessment	29,872.56
State of Massachusetts, non-resident bank stock	806.96
County of Middlesex, county tax	40,875.13
Overlay and abatements added for fractional divisions and abatements	9,714.37
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Total amount of appropriations provided for by the tax levy	\$745,609.02
In addition to the above, the following appropriations were made from the various income accounts :—	
Police, the amount received of the State for corporation and bank taxes	23,823.54
Police, the amount received of the clerk of the court for fines, costs, etc.	5,874.51
Public Library, the amount received of the county for dog licenses	2,693.51
Water Maintenance, from the income of the water works	34,000.00
<hr/>	
<i>Amount carried forward</i>	\$812,000.58

<i>Amount brought forward</i>	\$812,000.58
Water Works Extension, from the income of the water works	31,000.00
Water Loan Interest, from the income of the water works	14,250.00
Reduction of Funded Debt, balance of income of the water works	10,181.46
<hr/>	
Total amount of appropriations for the year	\$867,432.04

The following tables, giving a condensed history of the city's finances, are herewith presented for reference:—

YEAR.	Amount of Funded Debt.	Increase of Funded Debt.	Reduction of Funded Debt.	Tax Rate per \$1,000 Valuation on Account of Reduction of Funded Debt.
Town	\$ 593,349	. . .	. . .	. . .
Dec. 31, 1872	643,354	\$ 50,005	. . .	. . .
" 1873	809,354	166,000	. . .	. . .
" 1874	1,419,854	610,500	. . .	. . .
" 1875	1,571,854	152,000	. . .	. . .
" 1876	1,606,844	45,000	\$ 55,130.62	\$2.07
" 1877	1,606,854	10,000	58,828.58	2.30
" 1878	1,596,854	. . .	61,004.64	2.91
" 1879	1,585,000	. . .	64,915.76	3.42
" 1880	1,585,000	. . .	55,739.35	2.72
" 1881	1,585,000	. . .	58,498.64	2.59
" 1882	1,585,000	. . .	61,390.59	2.65
" 1883	1,585,000	. . .	64,479.01	2.70
" 1884	1,585,000	. . .	67,719.33	2.78
" 1885	*1,525,000	. . .	71,305.66	2.87
" 1886	1,525,000	. . .	66,894.23	2.57
" 1887	1,525,000	. . .	70,252.88	2.56
" 1888	*860,500	25,000	37,000.00	1.28
" 1889	952,500	130,000	38,000.00	1.27
" 1890	1,057,500	150,000	45,000.00	1.38
" 1891	1,045,500	45,000	57,000.00	1.55
" 1892	1,194,500	253,000	104,000.00	2.73
" 1893	1,279,500	222,000	137,000.00	3.27
" 1894	1,344,500	172,000	107,000.00	2.42
" 1895	1,506,500	247,000	85,000.00	1.83

* Sinking Fund applied.

YEAR.	VALUATION.	TAX LEVY.	RATE.
1872	\$22,755,325	\$274,374.45	\$13.00
1873	29,643,100	389,214.48	12.80
1874	30,837,700	473,235.50	15.00
1875	31,317,000	518,161.40	16.20
1876	26,573,400	504,745.24	18.60
1877	25,479,400	471,789.14	18.10
1878	20,976,900	409,497.10	19.00
1879	18,950,100	352,553.80	18.00
1880	20,458,100	402,927.71	19.10
1881	22,569,100	452,945.45	19.50
1882	23,162,200	425,721.16	17.80
1883	23,812,900	411,645.43	16.70
1884	24,331,100	418,750.26	16.60
1885	24,878,400	428,605.44	16.60
1886	26,003,200	416,987.28	15.40
1887	27,471,800	424,309.14	14.80
1888	28,765,400	421,458.60	14.00
1889	30,004,600	440,324.40	14.00
1890	32,557,500	447,704.00	14.00
1891	36,843,400	539,137.10	14.00
1892	38,093,100	596,357.50	15.00
1893	41,873,600	675,886.80	15.50
1894	44,142,900	721,165.54	15.70
1895	46,506,300	745,609.02	15.40

FUNDED DEBT.

It will be seen by the foregoing tables that the funded debt of the city has been largely increased during the last seven years. Much of this increase has been occasioned by public improvements which could not longer be postponed. You all know what constant and rapid growth our city has made of late, standing in the front rank of Massachusetts cities in this respect. The development of large tracts of unimproved land, involving the erection of several hundred houses each year, has taxed to the utmost every branch of the city's service. It has necessitated liberal expenditures for the extension of water works and sewers, the construction and paving of highways and sidewalks, the increase of street lights, the enlargement of the Police and Fire Departments, the erection of new and the remodeling of old public buildings, and many other absolute, pressing needs. The cost of new schoolhouses has been one of the most prominent

items in the increase of the municipal debt, and this was imperatively demanded by the phenomenal growth of our school population. I believe we ought not to criticise, but rather to commend, the public-spirited action of our more recent municipal administrations in so generously responding to the urgent requirements of the present hour, and so wisely anticipating and providing for the future needs of the city.

While I am pleased to recognize the wisdom and foresight of our predecessors in office, I yet deem it my duty to urge you not to sanction any further expansion of our public debt, except within the limits prescribed by existing laws. I am convinced that our indebtedness has now reached a point which calls for a temporary halt. Already a considerable part of the annual outlay is, of necessity, applied to payments of interest and principal accruing upon our funded debt,—a debt which, if allowed to increase with undiminished rapidity, will soon become burdensome to the tax-payer and detrimental to our standing as a city. I do not wish to sound any uncalled-for note of alarm, but merely to counsel prudence and conservatism in the management of our finances. It is gratifying to know and to record that the present financial condition of Somerville compares favorably with the other cities of the Commonwealth; and yet this fact would afford much keener satisfaction, were it not apparent to all observing men that a marked tendency has disclosed itself in recent years, in many of our Massachusetts cities, to take on unusual and oppressive burdens of indebtedness.

Periods of inordinate public expenditure, accompanied by undue inflation of public debt, occur, with slightly varying regularity, in the history of nations, states, and municipalities. Such a period was ushered in at the close of our Civil War, and a steady increase of municipal indebtedness continued without appreciable check for nearly ten years. At length the situation became so alarming that State legislatures were appealed to, and laws were passed to restrain and limit the power of city and town governments to impose excessive burdens of debt and taxation. In the year 1875 our own Legislature passed a law, which became operative in 1876, forbidding any city or town to incur debt, except for water supply, in excess of three per cent. of the valuation of the taxable property in such city or town, and also providing, by way of annual contributions to a sinking fund, for the reduction and early payment of all existing debts in excess of

the limit established by the Act. Ten years later the subject of municipal indebtedness was again considered by our General Court, and an Act was adopted which fixed the debt limit in each city, except the City of Boston, at two and one-half per cent. of the average valuation of the taxable property therein for the three years preceding the date of the computation of the debt. By the same Act the present tax limit of twelve dollars on a thousand for municipal expenditures, exclusive of sums required for city debt, was established.

Under the operation of the salutary law of 1875, municipal debts were rapidly reduced, and the financial condition of the cities of the Commonwealth materially improved. I regret to say that the legislation of 1885, in so far as it related to the limit of municipal indebtedness, has proved a dead letter. Since its adoption the Legislature has been annually besieged by many cities, asking for the enactment of special laws which would permit them to borrow money and create debt outside of the fixed limit. The favors asked have been almost uniformly granted, until we now find several of our Massachusetts cities burdened with exorbitant debts. Somerville has been one of the successful petitioners for such special legislation, although not to an extent which need cause any anxiety. The net amount of our indebtedness, outside of the statutory debt limit, on the first day of the present month, was \$185,000.

Many of our ablest financiers are beginning to voice a protest against the existing tendency to increase municipal indebtedness by special legislation. It is expected that the present Legislature will be asked to consider a proposed amendment to the State Constitution, which shall limit the power of cities and towns to contract debt. I am firmly of the opinion that our representatives in the General Court should be instructed to favor such a constitutional provision. A constitutional debt limit has already been established in many States, and has proved a valuable check upon the extravagant expenditure of public funds.

I am neither in sympathy with the doctrine that a public debt is a public blessing, nor in favor of shifting to the shoulders of posterity the burdens which ought really to be borne by the people of to-day. Every dollar of indebtedness which a city incurs is a mortgage on the private property of its citizens, and goes to increase the annual tax levy until it is finally paid. Future generations will be compelled to deal with their own financial problems, and they ought not to be

obliged to enter the field handicapped by a heavy weight of debt bequeathed to them by their predecessors.

Somerville has now a borrowing capacity, within the statutory debt limit, of \$103,964. This will be increased from time to time during the present year as maturing obligations are paid. I am satisfied that the tax levy will be sufficient to meet ordinary expenses, and that all additional sums required for the erection of new schoolhouses, or other permanent additions to the public property, can be provided without again appearing before the Legislature as a suppliant for special favors in the way of borrowing money.

I have dwelt at some length upon the subject of our funded debt, because it is one of the most serious and perplexing questions with which city councils have to deal. I trust you will not consider it a wise policy to strain the credit of the city to its utmost limit, leaving no margin for imperative demands which may at any time be thrust upon us. I know of no sagacious business man who conducts his private affairs conformably to such a dangerous theory. From the latest figures I have been able to obtain, compiled on the first day of last July, it appears that among the thirty-one cities of the Commonwealth, only six have a smaller net indebtedness, in proportion to valuation and exclusive of water debt, than Somerville, and but seven cities have a lower tax rate. I should deeply regret to see our city occupying a less commendable position at the close of the present municipal year.

FIRE DEPARTMENT.

Generous response has been made during the last few years to the requests of this department for new buildings and additional fire apparatus. Our city councils have not only dealt with present needs; they have also made wise and liberal provision for future requirements. The engine houses are, for the most part, models of their kind, and their equipment is of the highest degree of excellence. The building now in process of erection, at the corner of Broadway and Cross street, will, when completed, furnish a valuable addition to the fire service in that part of the city. The department is, on the whole, well organized, and performs its important work with promptness and efficiency. In view of the liberal expenditures of late for fire stations, I believe no new building should be erected during the present year. I would, however, recommend that the house of Engine No. 4 be thoroughly repaired, and a lot of land purchased on

Clarendon Hill as a site for a fire station to be hereafter built. The forthcoming report of the Chief Engineer will supply you with all needed facts as to the present condition and prospective wants of his department.

POLICE DEPARTMENT.

The police force, regular and reserve, numbers forty-nine men, organized as follows: One chief, one captain, four sergeants, two drivers of signal system wagon and ambulance, thirty-four patrolmen (two of whom are physically disabled for street work and on duty at Police Station), and seven reserve officers. All of the reserve force are now on active duty. The Chief of Police is of the opinion that the force should be increased, so as to give, at least, one officer for each one thousand of population. He also recommends that some place be provided by the City or State for the Somerville Light Infantry, so that the room in the Police Station now occupied by the military company may be divided into sleeping apartments for the use of such members of the police force as are needed in the station at night to respond to fire and other emergency demands. The usefulness of the police ambulance has been clearly shown during the past year by its prompt response to 135 calls. If quiet and good order upon our streets, and marked immunity from misdemeanors and crimes within our borders, are indications of fidelity on the part of the officers of the law, then the police force of Somerville is entitled to warm commendation.

Our Police Department ought to be, and I believe in the main is, composed of men of intelligence and probity. Its officers are clothed with great powers and charged with grave responsibilities. To a certain extent they are the guardians of our homes, the conservators of public morals. No trifling part of their duty during the next twelve months will be the execution of the laws forbidding the sale of alcoholic liquors. At the late municipal election, with an emphasis absolutely unmistakable, our people again recorded their protest against the traffic in intoxicants. I shall zealously co-operate with the Chief of Police in the rigid and impartial enforcement of the law in every nook and corner of the city.

OVERSEERS OF THE POOR.

This benevolent and indispensable branch of our municipal service has not been neglected during the past year. I will not take

time to chronicle its benefactions, or give you the details of its receipts and disbursements. All of these will be found in the annual report of the Board.

The Overseers believe that the work of their department could be more successfully and humanely done if a city almshouse were provided. While I have not yet satisfied myself as to the advisability of building an almshouse, I commend the subject to you as deserving careful investigation.

SOMERVILLE HOSPITAL.

This worthy institution has completed another year of useful, philanthropic service in our community. While it is not under municipal control, nor supported from the public treasury, it has, nevertheless, a strong claim upon the sympathy and aid of every citizen. Founded by a noble woman, whose generous impulses seem but to brighten as the shadows deepen about her own life, it stands, with open doors, an asylum for the sick and suffering of every race and every creed. I trust our people will see to it that funds are not lacking for the humane and truly religious work of the Somerville Hospital.

DEPARTMENT OF CITY ENGINEERING.

By reason of a tragedy, whose pathetic echoes are still audible in every quarter of our city, we find one of the most important departments of the public service to-day without an official head. This is not the time or place to pay tribute to, or pass judgment upon, the official career of Horace L. Eaton. I should, however, feel that I had neglected a sacred duty if I failed to accord to our departed friend the honor due to his memory for faithful, conscientious service rendered in the city's behalf. He would, indeed, have been more than human had he never made a mistake. It is pleasant to recall that he won the love and confidence of the men who were most closely associated with him in official work. Our deepest regret is born of the knowledge that his heart was too tender, his sensibilities too keen to withstand the fierce onslaught of those who, as he believed, were seeking to rob him of that which was dearer even than life,—his untarnished reputation.

It is of prime necessity that the department of City Engineering should be in the hands of competent, faithful men. Many of the most important branches of public work—including highways, water

works, and sewers—are dependent upon the skill, accuracy, and technical knowledge of the City Engineer. At the present time, in particular, we require the best obtainable service in the department under consideration. Existing sewers must be adapted to and connected with the Metropolitan system. Several new districts must be provided with sewers. The Mystic Water Works will need to be arranged to receive and distribute the new Metropolitan supply. Large undertakings in the way of street building and paving confront us. Correct grades must be given for new public buildings. These and many other grave municipal problems call for a City Engineer of the first class. The services of such an official cannot, I believe, be obtained for the meagre compensation hitherto paid. We must either raise the salary to a point commensurate with the duties of the office, or content ourselves with talents and acquirements less than the very best.

SEWERS.

No large sewers have been built during the past year, but the present Board of Aldermen will be obliged to deal with several important and intricate sewerage problems. I will not take time to discuss these questions to-day, but merely refer to three or four of the projects which will demand your closest study and most intelligent action.

First: You will be called upon to adopt and construct a sewerage system for a large territory in the westerly part of our city, known as the "Tannery Brook Valley." This section, comprising about ninety-one acres, is being rapidly built upon, and the grade of the land is such that the house drainage cannot be conducted through any existing sewer. Legislative sanction has been obtained for building a sewer through territory of the City of Cambridge to connect with the Metropolitan sewer at Alewife Brook, and thus relieve the Tannery Brook District. Consent of the Cambridge City Council must first be obtained, and this would doubtless have been already accomplished but for the interruption of negotiations occasioned by the death of Mr. Eaton.

Second: A tract of land, with a drainage area of about eighty-two acres, lying near Broadway and the Medford line, in the College Hill District, must be provided with sewers. This system will have its connection with the Metropolitan Sewer in Medford. A plan for the

work, satisfactory to Somerville and Medford, has already been perfected, and sewers are now in process of construction in that district.

Third : Radical changes should be made in the method of disposing of the sewage from the great slaughtering and packing establishments on the southerly boundary of our city. The more offensive part of this sewage must be conducted into the Metropolitan system, while the comparatively inoffensive waste water, amounting to about 2,500,000 gallons daily, may safely be discharged through another line of sewers into Miller's River.

Fourth : Some plan must be formulated for the improvement of our old trunk sewers, so as to prevent the flooding of cellars, which now takes place in several parts of Somerville during severe storms.

Unfortunately, sewer construction has been largely carried on in the past by piecemeal, and not in conformity to a broad plan framed for future, as well as present, needs. Such a method is sure to result finally in public inconvenience and pecuniary loss. In view of the present defects in our sewer system, would it not be well to submit the entire drainage question to a competent engineer, whose duty it should be to remedy existing evils, and perfect a comprehensive plan for all future work in the Sewer Department?

MYSTIC WATER DEPARTMENT.

During the year 1895 the Water Board caused to be laid about six miles of iron pipe, of which 11,440 feet represented practically new work, and was charged to Construction Account ; the balance, 19,781 feet, replaced an equal length of old cement pipe which had become unfit for further use. There yet remain over nineteen miles of cement pipe which the Board is desirous of taking up as rapidly as the finances of the city will permit.

It gives me satisfaction to be able to state that, under the Metropolitan system, Somerville will soon have a new water supply of greatly improved quality and abundant quantity. In the past we have been compelled to rely solely upon the Mystic Lake. The character of this water has been highly objectionable, and, in times of severe drought, its use occasionally curtailed. The establishment of the Metropolitan Water District, of which our city forms a part, is one of the most beneficent and far-reaching acts of modern legislation. The day of sharp and selfish competition among the cities of the Commonwealth to secure water supplies has passed. None too soon did our legislators

awake to the truth that the lakes and streams of the State are a natural bounty, bestowed by the Creator, and that no one city has a right unduly to monopolize their benefits. Hereafter, in the matter of our water supply, we shall stand on an equal footing, not only with our suburban neighbors, but also with Boston herself. If time permitted, I should be pleased to give you such information as I possess in regard to the taking of the Nashua River as a source of water supply, an undertaking of colossal proportions, and one in which every citizen of Somerville ought to feel deep interest.

PUBLIC PARKS AND PLEASURE GROUNDS.

It is to be regretted that Somerville has not within her own borders any extensive public park, and that her territory is now so compactly built upon it is hardly probable that such a park can at any time hereafter be secured. Nothing is more conducive to the health and happiness of a crowded population than large, open spaces, where the blessings of light, air, and beautiful scenery may be enjoyed by all classes. The most populous of our American cities have pursued a wise and liberal policy in laying out and beautifying public pleasure-grounds, and in our Commonwealth the Legislature has of late enacted laws which make it much easier than in former years to set apart extensive tracts of land as public reservations. Under the authority conferred by these laws large unimproved areas have already been taken and dedicated to the perpetual use of the people. The reservation in which Somerville is chiefly interested, and the one from which her citizens are likely to derive greatest benefit, is known as the "Middlesex Fells." It is a wild, woodland region, dotted with miniature lakes, and characterized by remarkably diversified natural scenery.

It is expected that the Fells reservation will ultimately embrace not less than thirty-five hundred acres, and it will remain for all time a vast pleasure ground for the recreation and refreshment of all who may resort to its peaceful, wooded slopes. As our own people become better acquainted with the Fells, they will more fully appreciate the rare beauty and picturesque charms of the region, and increasing numbers will each year avail themselves of the advantages afforded by such a magnificent forest domain for rest, for exercise, and for communion with nature. Improvements in facilities for public travel are being constantly made, and it is probable that lines

of street cars will, at an early day, connect our city with some of the main entrances to the Middlesex Fells.

Somerville has been liberally assessed for the cost, and will be called upon to pay her full share towards the maintenance of the Metropolitan Park system. It therefore behooves us to use the utmost diligence in promoting all measures which will make the benefits of the system available to our citizens. We stand in urgent need of broad, well-kept roadways or boulevards, running through our city, and connecting the park systems of Boston, Brookline, Newton, and Cambridge with the Middlesex Fells and other public reservations situated in the northerly suburbs. By an Act of the Legislature passed in the year 1894, the Metropolitan Park Commissioners were authorized to lay out and construct such connecting roadways or boulevards. Initial steps were taken by the retiring City Council, acting in conjunction with a committee of our citizens, to secure for Somerville a short stretch of boulevard, extending from Powderhouse square to the lower Mystic Lake, there to meet a boulevard which should continue along the easterly shores of the Mystic Lakes, through the Abbajona River valley and the village of Winchester, to the Fells. Before the claims of Somerville could be presented to the Commissioners they had already laid out work sufficient to exhaust the entire appropriation authorized by the Legislature for boulevard purposes. No further appropriation having been provided, Somerville will be obliged to wait until such time as her representatives in the General Court can secure additional boulevard legislation favorable to her interests. I believe an effort should be made in that direction during the present year, especially in view of the fact that our city must pay a considerable part of the cost of boulevards now in course of construction for the benefit of neighboring cities and towns. It certainly seems just that some slight advantage should inure to Somerville from the assessments levied upon her for boulevard purposes.

In our zeal to secure the highest benefits from the Metropolitan Park system, let us not neglect the small but picturesque pleasure-grounds within our own borders. We are all proud of the park on Central Hill, and its beauty will be even more marked when the plan for its development, repeatedly urged by our retiring Mayor, is fully carried out. What it lacks in area is made up for in grandeur of situation. Fortunate, indeed, was it for our city that such a tract

of land should have been early acquired and set apart for public uses. Few cities in this country have a pleasure-ground on an equally commanding and conspicuous site, in a location so central and convenient. At present its beauty is grievously marred by the buildings standing on its two prominent corners ; but these defects will be ultimately removed, and noble and imposing structures occupy the places now in a measure defaced by the unsightly City Hall and Engine House.

The Nathan Tufts Park is unique and attractive, and will be much frequented in the future on account of the historic associations which cluster around its central object, the venerable Old Powder House.

The Broadway Park becomes more attractive each passing year, as the trees attain larger growth. Strenuous measures should be adopted to restrain the rowdyism—much of it attributable to visitors from a neighboring city—which too often prevails there on summer evenings. I sincerely hope that no encroachments will be permitted on any of our public grounds or parkways merely to serve utilitarian purposes. I would recommend that you give careful attention to the trees growing in our parks and streets. They add much to the attractiveness of the city, and should be cared for and trimmed by persons fully qualified for the task. Our citizens should be encouraged to set out trees in front of their estates, for in no other way can they so effectively and permanently beautify our residential districts.

HIGHWAY DEPARTMENT.

Somerville has to-day the following street mileage : Public streets, 52.8 miles ; private streets and ways, 33.5 ; total, 86.3 miles. During the past year ten private streets, whose combined length was .9 of a mile, have been accepted by the City Council, and 1.7 miles of private streets laid out on plans, a part of the latter having been already opened to public travel. Over four miles of edgestones have been set, and 9,776 square yards of brick sidewalks laid.

One of the most important items of work done by the department during the year 1895 was the paving of Medford street, from the Cambridge line to the Fitchburg railroad. Owing to the peculiar nature of the subsoil in this locality, it was found necessary to lay a concrete foundation for the support of the granite paving blocks. For several years this particular piece of street has been in a deplorable state, and in wet weather almost impassable. It is now in a

condition to meet the requirements of the heavy teaming from the great slaughtering establishments located in that neighborhood. Much work has been done around the new English High School in the way of grading, and in the construction of drives and walks.

Particular attention should be given by you, gentlemen, to the care of our streets, especially the main thoroughfares. Their present condition furnishes just cause for criticism and complaint to all who are obliged to use them. Some means for their radical improvement ought to be speedily adopted. Public interest in the subject of good roads is being everywhere awakened. We are beginning to learn that they are a splendid investment for any city. They save money. They attract a desirable class of residents. They conduce to the happiness and prosperity, as well as the greater safety, of all who travel over them. More is lost by reason of poor roads than is commonly thought. The mere wear and tear of vehicles and injury to horses are no insignificant items, not to mention loss of time and temper. The discomfort and vexation caused by rough, dirty, ill-kept streets are not the less real because they cannot be computed in dollars and cents.

The advent of the bicycle was the harbinger of better highways. A man may drive a dumb beast day after day over the worst roads, and scarcely give a thought to their defects; but when his own muscles become the propelling power, his voice is instantly raised in protest. The wheelman is first to detect rough places in a street, and to insist upon their repair. The bicycle has become something more than a toy, or a mere means of recreation. It is now almost universally recognized as an instrument of utility, and its usefulness would be greatly enhanced by the building of better roads. The day laborer, the artisan, the clerk, the merchant, the professional man and woman, find in the silent steed the best form of rapid transit, as well as a dispenser of health and happiness. I believe I am justified, in view of the present extended use of the bicycle by all classes and by both sexes, in urging upon your attention the claims of the wheelmen and wheelwomen for better roads in Somerville. I have sometimes thought it would be a good preliminary discipline for a Superintendent of Streets in our city to give him a bicycle, and compel him to ride about twenty miles each day along our principal thoroughfares.

It is easy to point out defects in our streets. It will be your duty to discover and apply remedies. At this time I can only make the most general suggestions.

The first requisite in the building and care of roads is intelligence and skill on the part of the road builder. No appropriation of money, however liberal, will take the place of the wise brain and the cunning hand. We ought to insist that our Superintendent of Streets should study and master all of the details of the best modern methods of road construction and road repair, and at once give to the public the benefit of his research. He, in return, has a right to demand that his department shall not be used to pay political debts or dispense official favors. The making and repairing of our highways can never be safely left to empirical, haphazard methods. Road-building is taking its place among the exact sciences, and demands for its successful prosecution the best obtainable talent. Our streets should be constructed of suitable material, and in such a manner as to present a smooth, hard, and durable surface. When so built they should be carefully watched, and all hollows, ruts, cradle-holes, and irregularities of surface promptly attended to. If trifling defects are neglected, serious damage is sure to result to the highway, until the entire roadbed must be rebuilt. I would recommend that a broad and rational plan be adopted for the permanent improvement of our principal avenues, especially those which are subjected to the heaviest traffic. As soon as the ground is free from frost, work upon one or more of these avenues should be commenced, and carried forward with thoroughness and vigor. Would it not also be a good practice to make it a special duty of one or more of the employees of the department to drive over our main thoroughfares at frequent intervals, and remove all loose stones and other unsightly and dangerous objects, as well as report upon defects in the roadbed? I have observed large cellar stones lying in our streets day after day, just as they were dropped from the carts of careless teamsters, until a policeman or some public-spirited citizen took the trouble to place them in the gutter. Bits of electric wire and other unsightly *débris* are permitted to remain in the highway or on the sidewalk for an indefinite time. All this gives our streets an untidy appearance, and would not be tolerated for a single day in many English and Continental cities. In view of the urgent demand for the macadamizing of some of our principal streets, and the probability that the highway appropriation will be heavily taxed for the rebuilding of Mystic avenue, I would recommend that no paving be done the present year, except to complete work already undertaken.

HEALTH AND STREET LIGHTS DEPARTMENTS.

I shall content myself at this time with a mere reference to the departments of Health and Street Lights. They are both of prime importance, but I have had no opportunity to study the details of their work, or make inquiry as to their needs. It may be deserving of some thought as to whether the duties of the Inspector of the Board of Health, and the Superintendent of Collection of Ashes and Offal might not be performed by the same person, and thus dispense with the services of one salaried officer. The cost of street lighting last year was \$45,000, being three fourths as much as the entire sum appropriated for the building and maintenance of our highways. Our streets are now well lighted, and further expense in this direction should only be incurred in response to urgent requirements.

DEATH OF THOMAS R. ROULSTONE.

The office of Inspector of Buildings and Superintendent of Public Buildings became vacant in October last by the death of Thomas R. Roulstone. Mr. Roulstone had served the city in many capacities with distinguished ability and scrupulous fidelity. He was a man of exalted character and unblemished reputation. He endeared himself to all his associates by his genial manner and kindly services; he won the respect and confidence of the entire community by an exemplary private life, and official conduct which was absolutely above reproach.

CITY HALL ACCOMMODATIONS.

Probably no subject has of late been more discussed by our citizens, or evoked greater diversity of opinion, than that of the erection of a new City Hall. We all agree that such a building is needed; we all know it would add much to the attractiveness of our Central Hill Park. Something must be done the present year in the way of giving relief to the departments now crowded together in the old City Hall building. If a new building could be erected without imposing too grievous a burden of indebtedness, I should not hesitate to commend the measure to your immediate action. For reasons which have been fully set forth in other parts of this address, I am persuaded that we ought not to enter upon such a costly undertaking in the present condition of the city's finances.

A City Hall, so beautiful and spacious as to comport with the magnificent Central Hill location, and meet the future demands of our growing city, could not, in my judgment, be built for less than \$300,000. Such an expenditure would swell our funded debt to formidable proportions, cripple many departments of the city's service, and retard important public enterprises which require immediate attention. I therefore recommend that you take early steps towards increasing the accommodations at City Hall by an enlargement of the old building, and, perhaps, by a transfer of some of the minor departments to the vacant Engine House at the corner of Highland avenue and Walnut street. I am aware that the old buildings cannot be remodeled in such a manner as to make them pleasing objects from an architectural standpoint. They can be put in a condition to serve the practical needs of the departments for several years to come ; and this by the expenditure of a sum no greater than would be necessary to meet the interest and sinking fund requirements for a single year of such a debt as would be created by the erection of a new City Hall.

PUBLIC LIBRARY.

This popular branch of our educational system is in the hands of able and cultured citizens. With its practical management the City Council is not concerned. And yet, so large a place does the Public Library fill in the life and thought of our people, that I cannot refrain from making brief mention of it. It is the treasure-house of the intellect, a university whose curriculum the wisest man or woman never outgrows. No matter how meagre our purse, how humble our station, the Public Library brings to our fireside the rarest gems that ever sparkled in the coronet of human genius ; it gives us closest companionship with the sages, the heroes, the saints of every age and every clime.

The library has been greatly improved during the past year by the addition of new book stacks, which will give all the shelf room required for several years to come. A comprehensive catalogue, admirably classified, has just been issued, and this will be of much assistance to the reading public, not only in the finding of particular books, but as a guide in the judicious selection of topics for special study.

PUBLIC SCHOOLS.

It is the testimony of those best informed upon the subject, that our public schools were never so fully equipped for thorough, useful

work as at the present time. I believe the city is receiving full value for its bountiful appropriations for the School Department. There are now, in round numbers, about 8,000 children in the public schools, 750 of whom are in the High schools.

The most important event occurring during the past year, in connection with our educational system, was the completion and occupation of the English High School building. It is indeed a noble structure, with interior appointments matching its external beauty. It was intended that the building should seat 726 pupils, and thus meet the needs of the city for many years to come. Owing to some mistake or misunderstanding, it was found, when the building was completed, that the seating capacity, including the room now used as a biological laboratory, was but 577. Each classroom is deficient in seating accommodations. The mistake will prove costly for the city, not only in hastening the time when an enlargement of the building will be called for, but also for the reason that more teachers are required, and more expense is entailed for the instruction of a given number of pupils than would have been necessary with classrooms of suitable dimensions. The Superintendent of Schools believes that the building will be taxed to its full seating capacity at the beginning of the next school year. The cost of the building, exclusive of land and furnishings, was \$134,400.

The completion of the William H. Hodgkins School, in Ward Four, will afford much needed relief in the westerly part of our city. The crowded condition of the schools in Wards One and Three cannot longer be disregarded. That children are compelled to attend school on one-half time, or be housed in such an unsuitable building as the one on Beech street, is indeed humiliating to every public-spirited citizen.

We shall be obliged to respond to many pressing demands from our School Committee during the present year. Additional accommodations are required in several parts of the city, and they must be promptly and cheerfully supplied. Whatever else we may be compelled to leave undone, let us not neglect our public schools, nor impair their efficiency by an unwarrantable parsimony in the annual appropriations for their support.

Somerville has always been proud of her public schools, and I am earnest in presenting their claims, because I believe they are the cornerstone of our free government. They are something more

than training-fields of the intellect, where boys and girls are fitted for a mere bread-winning existence. They are the nurseries of purest democracy, the conquerors of those implacable enemies of republican institutions—intellectual narrowness, and class hatred. Within their hospitable precincts gather the children of all our people, standing on a plane of absolute equality, inspired by common aims, and united by common sympathies. They are there taught the lesson that there is but one true aristocracy—that of the intellect and conscience. At a time when the mind is most receptive, when the heart is most warm, our future rulers, both in the realm of the State and in the realm of the home, learn to love and respect each other,—a lesson of paramount importance in a country like ours, whose chief glory should be sought in the temples of peace, and not on the fields of war. Let us all strive to uphold and improve our splendid system of free public education, until its superiority over all methods of private instruction is acknowledged by every citizen.

SOLDIERS' MEMORIAL.

A little more than thirty years ago one of the greatest wars ever known in the history of the human race, and fought wholly within the borders of our own land, was brought to a close. For four long years the heroic citizen soldiery of the North stood in the heat and smoke of battle, struggling with matchless valor for the preservation of their country, and the glory of her flag. To the ranks of that magnificent Union Army, Somerville contributed her full quota of brave and patriotic men. They went from their homes blest with the benedictions of all good men, and the prayers of all true women, ready, if need be, to lay their lives on the altar of their country. Some of them sleep to-day in unmarked graves on Southern battle-fields. Many who survived the bloody conflicts have since gone to join their martyred comrades in that palace of immortality where their valiant spirits dwell. Others of their number still walk our streets, waiting a little until they, too, shall respond to the call of the Great Commander. And yet, I blush to say, no suitable monument has yet been reared on any of our hills, inscribed with the names of the men who did and dared so much in the hour of their country's peril. This matter has already been too long delayed, and I believe we have no moral right to further slight the memory of the dead, or ignore the oft-expressed wishes of their surviving

comrades, by allowing our gratitude for their heroic services to vent itself in mere words. The soldiers themselves are, no doubt, the best judges as to the form of the memorial. Much has been said and written in favor of the erection of a beautiful public building which should contain a Memorial Hall. For my own part, I am reluctant to wait until the financial condition of our city shall warrant the building of such an edifice. It seems to me that no memorial would be so appropriate as a graceful shaft, standing on a conspicuous spot in our Central Hill Park, with the names of the honored dead engraved upon it. A room in a public building would be, much of the time, inaccessible to the great body of our people, and would not stand out with the clear and unmistakable significance of a granite monument. Already we have upon the crown of Central Hill two substantial and imposing school buildings and a public library. Before the lapse of many years we shall erect near the southerly corner of the park a still grander piece of architecture in the form of a new city hall. In these buildings—representing respectively our splendid system of free public education, and the best form of municipal government yet devised by man—will stand embodied the genius of our American Republic. What could be more fitting than to place in the midst of these enduring emblems of free education and free government a stately shaft, raised in memory of our gallant brothers who gave their lives for the preservation and perpetuation of such noble institutions? The form of memorial which I have suggested would stand for all time in plain view of our people, teaching to the oncoming generations its sublime lessons of patriotism. Above a populous city of peaceful homes it would rise in proud companionship with the still loftier shaft on Bunker Hill, reminding us, as we go about our daily toil, that the sires who died in the earlier time transmitted to their sons their spirit of heroic, self-sacrificing valor. At a later day, when a City Hall is erected, a spacious room should be set apart therein for the use of the Grand Army of the Republic, and for the proper preservation and exhibition of those records and mementos of the Civil War which are so precious in the sight of our surviving soldiers, and will ever be fondly cherished by their sons. It is not probable that we can expend in a single year a sum sufficient to erect and complete an appropriate soldiers' memorial. We can, at least, make a beginning. I would, therefore, recom-

mend that an appropriation of not less than \$10,000 be made the present year as the first contribution to a fund, to be known as the "Soldiers' Memorial Fund." Each succeeding year a further appropriation can be made, until the sum thus set apart shall be sufficient for its sacred purpose.

Gentlemen of the City Council : —

Already I have trespassed too far upon your time and patience, and yet many things of great importance remain unsaid. In conclusion, I would urge each one of you, in the performance of your official duties, to keep ever in mind the idea that you are the representative of the entire city, and not alone of the neighborhood or ward in which you chance to dwell ; that you are the servant of all the people, not of any one class, party, or faction. It is no trivial matter to be intrusted with the management of the affairs of a municipal corporation representing more than 52,000 people, and to supervise the disbursement, in a single year, of not less than a million dollars. Such a trust calls for the exercise of rare patience, wisdom and fidelity. Success will crown your efforts if you employ in the service of the city the same sagacity and zeal which you have found indispensable in the successful prosecution of your own private business. I do not doubt that you all enter upon the year's work with a fixed determination to give to it your best thought and endeavor ; that each of you stands here, like myself, untrammelled by a single pledge or obligation save that which is involved in your public oath of office. It is not reasonable to expect that you will be in full accord upon all the questions which may arise ; but however widely your opinions may differ, never forget the obligation you are under to conduct your deliberations and debates with dignity and decorum. The good name of Somerville is, in large measure, committed to your keeping, and your acts and words, as recorded in the daily press, will contribute either to her glory or her shame. While it is your duty to be ever vigilant, and to insist that the official conduct of your associates shall conform to the highest standards of rectitude, you ought, nevertheless, to be very careful not to injure the reputation of a brother man, or bring disgrace upon our honored city by indiscreetly giving voice to heinous charges which have no foundation save in the imagination of jealous and evil-minded men. If you perform every duty with earnestness, integrity, and impartiality, you

will have earned, at the conclusion of your term of service, the highest rewards bestowable upon mortals on this earth — the gratitude of your constituents, the approval of your own conscience, and the blessing of Almighty God.

D

REPORT

OF THE

TREASURER AND COLLECTOR
OF TAXES.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 22, 1896.

Referred to Committee on Finance, and sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, January 22, 1896.

Referred to Committee on Finance, in concurrence.

CHARLES S. ROBERTSON, *Clerk*.

CITY OF SOMERVILLE.

IN COMMITTEE ON FINANCE, February 11, 1896.

TO THE CITY COUNCIL OF SOMERVILLE:—

The Committee on Finance report that in compliance with Section 10, of Chapter 4, of the revised ordinances, they have, in conjunction with the Auditor, examined and audited the books and accounts of the Treasurer and Collector of Taxes for the year ending December, 31, 1895, and in the manner prescribed by said section.

The said books and accounts were carefully compared with the books, records, accounts, papers, vouchers and documents of the Auditor, Treasurer, City Clerk, and the several committees, boards and officers of the city, and with the certificates and statement transmitted by the City Clerk, as provided in Section 5 of said chapter.

The committee also carefully verified the cash balance at the close of business, February 11, 1896, as shown by the books and accounts of the Treasurer, such verification having been made by an actual count of the cash on hand and statements from the banks in which the funds of the city were deposited.

The committee take pleasure in reporting, as the result of their examination, that no error or discrepancy was discovered in the accounts and records of the Treasurer and Collector, and expressing their cordial approval of the remarkably neat, methodical and accurate manner in which he has kept the books and accounts of his department, as well as the general efficiency displayed by him in the performance of his important and arduous official duties, and recommend that his report be accepted, and printed in the annual reports of 1895.

ALBION A. PERRY,	}	<i>Committee.</i>
HOWARD D. MOORE,		
GEO. E. WHITAKER,		
JOHN HUNNEWELL,		
FRED M. CARR,		
RICHARD A. RUSSELL,		

IN BOARD OF ALDERMEN, February 12, 1896.

Accepted, and sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, February 13, 1896.

Accepted, in concurrence.

CHAS. S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

TREASURER'S OFFICE, January 16, 1896.

TO THE HONORABLE, THE MAYOR, AND CITY COUNCIL OF THE
CITY OF SOMERVILLE:—

Gentlemen,—The undersigned presents herewith the twenty-fourth annual report of the financial condition of the city, and a statement showing, in detail, the receipts and disbursements for the year ending December 31, 1895.

The value of the property of the city December 31, 1894, was \$2,195,271.64. From this amount should be deducted the sum of \$4,358.50 received for insurance on the Webster Schoolhouse, destroyed by fire December 15, 1893. The property acquired during the year was as follows:—

Fire Department, Central Fire Station, Brastow school lot	\$12,211.14
Fire Department, Hook and Ladder Station, High- land avenue	1,802.23
Public Library Improvement	5,967.58
Highways, City Stable	9,529.12
Schoolhouse, English High	64,425.09
Schoolhouse, High and English High, heating, etc .	8,309.96
Schoolhouse, O. S. Knapp Addition	4,233.21
Schoolhouse, Ward Four, Geo. W. Durell	689.00
Schoolhouse, Ward Four, Wm. H. Hodgkins	22,520.22
Water Works Extension	32,007.44
Wyatt's Pit land	4,012.27
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Total amount of property acquired during the year	\$165,707.26
Making the value of the public property, December 31, 1895, as per Table A, \$2,356,620.40.	

The Funded Debt, December 31, 1894, as per Table B, of the last annual report, was \$1,344,500.00.

The debt was increased during the year by appropriations as follows:—

Fire Department, Central Fire Station, Brastow	
School lot	\$ 5,700.00
Fire Department, Fire Station, Ward One . . .	17,700.00
Fire Department, Hook and Ladder Station, Highland avenue	1,100.00
Highways, City Stable	6,000.00
Highways, paving Washington street, Somerville avenue to Cambridge city line	27,400.00
Public Grounds, Wyatt's Pit land	3,600.00
Public Library Improvement	3,000.00
Renewals of Funded Debt	177,000.00
Schoolhouse, English High	27,000.00
Schoolhouse, High and English High, heating, ventilating and plumbing	1,000.00
Schoolhouse, O. S. Knapp Addition	1,500.00
Schoolhouse in Ward Four, Wm. H. Hodgkins . .	53,000.00
Sewers, Construction	50,000.00
Sewers, Unappropriated	50,000.00
<hr/>	
Total amount of appropriations on Funded Debt account	\$424,000.00

For which the following bonds were issued, viz.:—

City Loan Bonds Nos. 1734 to 1752, payable 1896, interest 4 per cent	\$19,000.00
City Loan Bonds Nos. 1753 to 1771, payable 1897, interest 4 per cent.	19,000.00
City Loan Bonds Nos. 1772 to 1790, payable 1898, interest 4 per cent.	19,000.00
City Loan Bonds Nos. 1791 to 1809, payable 1899, interest 4 per cent.	19,000.00
<hr/>	
<i>Amount carried forward</i>	\$76,000.00

<i>Amount brought forward</i>	\$76,000.00
City Loan Bonds Nos. 1810 to 1827, payable 1900, interest 4 per cent.	18,000.00
City Loan Bonds Nos. 1828 to 1845, payable 1901, interest 4 per cent.	18,000.00
City Loan Bonds Nos. 1846 to 1863, payable 1902, interest 4 per cent.	18,000.00
City Loan Bonds Nos. 1864 to 1881, payable 1903, interest 4 per cent.	18,000.00
City Loan Bonds Nos. 1882 to 1899, payable 1904, interest 4 per cent.	18,000.00
City Loan Bonds Nos. 1900 to 1917, payable 1905, interest 4 per cent.	18,000.00
City Loan Bonds Nos. 1918 to 1932, payable 1906, interest 4 per cent.	15,000.00
City Loan Bonds Nos. 1933 to 1947, payable 1907, interest 4 per cent.	15,000.00
City Loan Bonds Nos. 1948 to 1962, payable 1908, interest 4 per cent.	15,000.00
City Loan Bonds Nos. 1963 to 1976, payable 1909, interest 4 per cent.	14,000.00
City Loan Bonds Nos. 1977 to 1990, payable 1910, interest 4 per cent.	14,000.00
City Loan Bonds Nos. 1991 to 2004, payable 1911, interest 4 per cent.	14,000.00
City Loan Bonds Nos. 2005 to 2018, payable 1912, interest 4 per cent.	14,000.00
City Loan Bonds Nos. 2019 to 2031, payable 1913, interest 4 per cent.	13,000.00
City Loan Bonds Nos. 2032 to 2044, payable 1914, interest 4 per cent.	13,000.00
City Loan Bonds Nos. 2045 to 2057, payable 1915, interest 4 per cent.	13,000.00
Sewer Loan Bonds Nos. 74 to 113, payable 1896 to 1905, \$4,000 annually	40,000.00
Sewer Loan Bonds Nos. 114 to 173, payable 1906 to 1925, \$3,000 annually	60,000.00
 Total amount of bonds issued in 1895 . . .	 \$424,000.00

The following bonds became due and were paid during the year, viz.:

City Loan Bonds Nos. 1244 to 1253, interest 4 per cent.	\$ 10,000.00
City Loan Bonds Nos. 1582 to 1592, interest 4 per cent.	11,000.00
City Loan Bonds Nos. 190 to 194, interest 5 per cent.	25,000.00
City Loan Bonds Nos. 195 to 334, interest 5 per cent.	140,000.00
City Loan Bonds Nos. 939 to 943, interest 4 per cent.	5,000.00
City Loan Bonds Nos. 1043 to 1052, interest 4 per cent.	10,000.00
City Loan Bonds Nos. 1119 to 1122, interest 4 per cent.	4,000.00
City Loan Bonds Nos. 1168 to 1174, interest 4 per cent.	7,000.00
City Loan Bonds Nos. 1349 to 1372, interest $4\frac{1}{2}$ per cent.	24,000.00
Sewer Loan Bonds No. 54, interest 4 per cent.	1,000.00
Sewer Loan Bonds No. 37, interest $4\frac{1}{2}$ per cent.	1,000.00
Water Loan Bonds No. 284, interest 4 per cent.	1,000.00
Water Loan Bonds Nos. 112 to 124, interest 5 per cent.	13,000.00
Water Loan Bonds Nos. 318 to 320, interest 4 per cent.	3,000.00
Water Loan Bonds Nos. 401 to 402, interest 4 per cent.	2,000.00
City Loan Paving Bonds Nos. 11 to 15, interest 4 per cent.	5,000.00
Total amount of bonds paid during the year	<u>\$262,000.00</u>
Leaving the net Funded Debt, December 31, 1895, as per Table B, \$1,506,500.00.	

RESOURCES.

Assessors' warrant for the tax levy, assessed upon the polls and estates of the inhabitants, as follows:—

Real Estate valuation	\$42,879,000.00
Personal Estate valuation	3,627,300.00
Total valuation	<u>\$46,506,300.00</u>

A rate of \$15.40 on \$1,000.00 valuation, with 14,706 polls at \$2.00 each, gives the total amount of the tax levy		\$745,609.02
Borrowed on Funded Debt account to provide for the cost of public improvements, and renewals of City Loan Bonds		424,000.00
Revenue from the Water Works		89,431.46
National Bank and Corporation taxes		23,823.54
Court fees, fines, etc.		5,874.51
Received of County Treasurer for dog licenses		2,693.51
Unexpended balances of 1894, including Excess and Deficiency account		84,646.61
Received from all other sources		63,900.00
Total amount of resources		<u>\$1,439,978.65</u>

The appropriations, credits, and balances of the various accounts were as follows : —

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
County of Middlesex : —			
Appropriation	\$40,875.13		
Expended, County tax . .			\$40,875.13
Excess and Deficiency : —			
Balance from 1894,			
\$2,096.56			
Transferred to Public			
Grounds a c c o u n t ,			
\$2,096.56			
Balance to 1896			1,231.33
Fire Department : —			
Appropriation	47,000.00		
Received for old mate-			
rials, etc.		\$137.02	
Expenditures			51,592.11
Deficiency			4,455.09

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Fire Department, Central Fire Station, Brastow School lot :—			
Balance from 1894 .		\$3,713.57	
Appropriation, Funded Debt account . . .	\$ 5,700.00		
Expenditures . . .			\$9,068.87
Excess			344.70
Fire Department, Central Fire Station, Electrical Apparatus and Furniture :—			
Balance from 1894 .		3,143.68	
Expenditures . . .			3,142.27
Excess			1.41
Fire Department, Chemical Engine and Equip- ment :—			
Balance from 1894 .		501.47	
Excess			501.47
Fire Department, Fire Station, Ward One :—			
Appropriation, Funded Debt account . . .	17,700.00		
Expenditures . . .			8,491.78
Balance to be expended in 1896			9,208.22
Fire Department, Hook and Ladder Station, Highland avenue :—			
Balance from 1894 .		767.52	
Appropriation, Funded Debt account . . .	1,100.00		
Expenditures . . .			1,802.23
Excess			65.29

D — REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 11

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Hook and Ladder Station, Highland avenue, Equipment and Fur- niture : —			
Balance from 1894		\$ 31.00	
Excess			\$ 31.00
Health Department : —			
Appropriation	\$21,000.00		
Received from permits, licenses, etc.		1,640.36	
Expenditures			28,828.07
Deficiency			6,187.71
Highways : —			
Appropriation	60,000.00		
Received for labor and materials		7,600.13	
Expenditures			67,023.66
Excess			576.47
Highways, City Stable : —			
Balance from 1894		4,148.12	
Appropriation, Funded Debt account	6,000.00		
Expenditures			9,529.12
Excess			619.00
Highways, paving Med- ford street, Somerville avenue to Cambridge line : —			
Appropriation, Funded Debt, \$27,400			
Transferred to High- ways, paving Wash- ington street, \$3,800	23,600.00		
Received for labor and materials		108.53	
Expenditures			10,459.12
Balance to be expended in 1896			13,249.41

Accounts.	*Appropriations.	Credits.	Expenditures and Balances.
Highways, paving Wash- ington street, Tufts to Joy street:—			
Transferred from pav- ing Washington street account	\$ 3,800.00		
Balance to be expended in 1896			\$ 3,800.00
Indigent Soldiers and Sail- ors:—			
Appropriation . . .	300.00		
Received of State of Massachusetts . . .		\$ 324.00	
Expenditures . . .			648.00
Deficiency			24.00
Interest:—			
Appropriation . . .	70,000.00		
Received interest on taxes, etc. . . .		28,100.67	
Expenditures . . .			60,182.61
Excess			37,918.06
Miscellaneous:—			
Appropriation . . .	6,000.00		
Received for costs on taxes, licenses, etc. .		5,481.04	
Expenditures . . .			18,495.04
Deficiency			7,014.00
Overlay and Abatement:—			
Appropriated . . .	9,714.37		
Received for taxes . .		18.00	
Applied and to be ap- plied to abatements on taxes			9,732.37

D — REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 13

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Police : —			
Appropriations . . .	\$23,000.00		
Received bank and cor- poration taxes . . .		\$23,823.54	
Received court fees, fines, etc. . . .		5,874.51	
Expenditures . . .			\$54,244.29
Deficiency			1,546.24
Police Station Incident- als : —			
Appropriation . . .	3,000.00		
Received for rent . .		300.00	
Expenditures . . .			2,852.40
Excess			447.60
Printing and Stationery : —			
Appropriation . . .	6,000.00		
Expenditures . . .			6,666.25
Deficiency			666.25
Public Grounds : —			
Appropriation . . .	7,000.00		
Transferred from Excess and Deficiency ac- count		2,096.56	
Received for labor, etc.		6.00	
Expenditures . . .			10,173.51
Deficiency			1,070.95
Public Grounds, Wyatt's Pit : —			
Appropriation, Funded Debt account . . .	3,600.00		
Expenditures . . .			4,012.27
Deficiency			412.27

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Public Library :—			
Balance from 1894		\$ 9.55	
Appropriation	\$ 6,500.00		
Received for dog licenses, fines, etc.		2,917.28	
Expenditures			\$ 9,306.49
Balance to be expended in 1896			120.34
Public Library Improvement :—			
Balance from 1894		3,000.00	
Appropriation	3,000.00		
Expenditures			5,967.58
Excess			32.42
Reduction of Funded Debt :—			
Balance from 1894		9,256.87	
Appropriation	76,000.00		
Received income of Water Works		10,181.46	
Expenditures			85,000.00
Balance to be expended in 1896			10,438.33
Renewals of Funded Debt :—			
Appropriation	177,000.00		
Bonds renewed			177,000.00
Relief and Burial of Indigent Soldiers and Sailors :—			
Appropriation	5,000.00		
Received of State of Massachusetts for burials		280.00	
Expenditures			6,478.52
Deficiency			1,198.52

D — REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 15

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Salaries : —			
Appropriation . . .	\$37,500.00		
Received for services, engineers' department		\$924.49	
Expenditures . . .			\$37,773.04
Excess			651.45
School Contingent : —			
Appropriation . . .	18,000.00		
Received for tuition of non-resident pupils, etc.		300.24	
Expenditures . . .			21,118.36
Deficiency			2,818.12
School Contingent, Jani- tors' Salaries : —			
Appropriation . . .	12,000.00		
Received of contractor of English High School		847.50	
Expenditures . . .			13,268.59
Deficiency			421.0
School Fuel : —			
Appropriation . . .	9,000.00		
Received for fuel . . .		727.75	
Expenditures . . .			9,620.23
Excess			107.52
Schoolhouse, Edgerly Ad- dition : —			
Balance from 1894 . .		619.48	
Expenditures . . .			565.50
Excess			53.98

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Schoolhouse, English High :—			
Balance from 1894 .		\$37,296.67	
Appropriation, Funded			
Debt account . .	\$27,000.00		
Received for heating, etc. . . .		1,100.93	
Expenditures . .			\$65,526.02
Deficiency . . .			128.42

Schoolhouse, High and English High, heat- ing, ventilating and plumbing :—			
Balance from 1894 .		7,202.72	
Appropriation, Funded			
Debt account . .	1,000.00		
Expenditures . .			8,309.96
Deficiency . . .			107.24

Schoolhouse Incident- als :—			
Appropriation . .	13,000.00		
Expenditures . .			15,331.25
Deficiency . . .			2,331.25

Schoolhouse, O. S. Knapp Addition :—			
Balance from 1894 .		2,876.54	
Appropriation, Funded			
Debt account . .	1,500.00		
Expenditures . .			4,233.21
Excess			143.33

D — REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 17

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Schoolhouse, Ward Four:—			
Appropriation, Funded			
Debt account . . .	\$ 53,000.00		
Expenditures . . .			\$ 22,520.22
Balance to be expended in 1896			30,479.78
Schoolhouse, Ward Four, south side F. R. R.:—			
Balance from 1894 . .		\$54.51	
Expenditures . . .			689.00
Deficiency			634.49
School Teachers' Sala- ries:—			
Appropriation . . .	134,000.00		
Expenditures . . .			139,712.87
Deficiency			5,712.87
Sewers, Construction:—			
Balance from 1894 . .		7,978.07	
Appropriation, Funded			
Debt	50,000.00		
Received for permits, etc.		772.58	
Expenditures less as- sessments (\$5,338.12)			16,959.55
Balance to be expended in 1896			41,791.10
Sewers, Maintenance:—			
Appropriation . . .	7,000.00		
Received for labor, etc.		327.46	
Expenditures . . .			9,897.15
Deficiency			2,569.69

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Sewers :—			
Appropriation, Funded			
Debt account . . .	\$50,000.00		
Balance to be expended in 1896			\$50,000.00
Sidewalks :—			
Appropriation . . .	10,000.00		
Received for edgestones, etc.		\$13.58	
Expenditures, less as- sessments (\$10,085.41)			10,098.92
Deficiency			85.34
Street Lights :—			
Appropriation . . .	45,000.00		
Received for lamp posts		6.00	
Expenditures . . .			46,478.27
Deficiency			1,472.27
State of Massachusetts :—			
Appropriation . . .	25,890.00		
Expended, State tax .			25,890.00
State of Massachusetts, Metropolitan Sew- er :—			
Appropriated . . .	29,872.56		
Expended, Sewer tax .			29,872.56
State of Massachusetts, Non-resident Bank Stock :—			
Appropriated . . .	806.96		
Expended, Non-resident tax			806.96

D — REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 19

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Support of Poor :—			
Appropriation . . .	\$16,150.00		
Received for aid furnished, etc. . . .		\$ 3,902.57	
Expenditures . . .			\$20,755.46
Deficiency			702.89

Water Loan Interest :—

Received of City of Boston, water rates .	14,250.00	
Expenditures . . .		14,250.00

Water Maintenance :—

Balance from 1894 . . .	311.01	
Received from City of Boston, water rates .	34,000.00	
Received for labor and materials	356.18	
Received from Water Service account . .	1,570.00	
Expenditures . . .		33,262.69
Balance to be expended in 1896		2,974.50

Watering Streets :—

Appropriation . . .	6,000.00	
Received of abutters .	8,088.04	
Expenditures . . .		14,791.71
Deficiency		703.67

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Water Works Extension:—			
Balance from 1894		\$ 1,639.27	
Received from City of Boston, water rates		31,000.00	
Received for labor and materials		743.16	
Expenditures			\$32,750.60
Balance to be expended in 1896			631.83
	<hr/>	<hr/>	<hr/>
	\$1,169,609.02	\$270,369.63	\$1,439,978.65
	270,369.63		
	<hr/>		<hr/>
	\$1,439,978.65		\$1,439,978.65
	<hr/>		<hr/>

RECAPITULATION.

Appropriations as per tax levy	\$745,609.02
Appropriations, Funded Debt account	424,000.00
Received revenue from Water Works	89,431.46
Received National Bank and Corporation taxes	23,823.54
Received Court Fines, fees, etc.	5,874.51
Received from the County Treasurer for Dog Li- censes	2,693.51
Unexpended balances of 1894	82,550.05
Excess and Deficiency bal- ance of 1894	2,096.56
	<hr/>
<i>Amount carried forward</i>	\$1,376,078.65

<i>Amount brought forward</i>	\$1,376,078.65	
Received from all other sources	63,900.00	
Expenditures		\$1,276,053.81
Unexpended balances to 1896		162,693.51
Excess and Deficiency		1,231.33
	<u>\$1,439,978.65</u>	<u>\$1,439,978.65</u>

The assets of the city available for the payment of its unfunded liabilities are as follows :—

Cash	\$ 73,103.06
Real Estate liens	3,050.88
Sewer assessments	4,624.03
Sidewalk assessments	5,395.47
State of Massachusetts, burial of Indigent Soldiers and Sailors	280.00
State of Massachusetts, Indigent Soldiers and Sailors	310.00
State of Massachusetts, State Aid	7,320.50
Taxes	246,195.06
Water Service assessments	17.65
Total amount of available assets	<u>\$340,296.65</u>

The liabilities are :—

Fire Department, Fire Station, Ward One	\$ 9,208.22
Highways, paving Medford street	13,249.41
Highways, paving Washington street	3,800.00
Overlay and abatement	329.58
Overplus on tax sales	102.13
Public Library	120.34
Reduction of Funded Debt	10,438.33
Schoolhouse in Ward Four (Wm. H. Hodgkins)	30,479.78
<i>Amount carried forward</i>	<u>\$67,727.79</u>

<i>Amount brought forward</i>	\$ 67,727.79
Sewers, construction	41,791.10
Sewers (unappropriated)	50,000.00
Sundry persons	940.10
Temporary loans	175,000.00
Water Maintenance	2,974.50
Water Works extension	631.83
	<hr/>
Total amount of unfunded liabilities	\$339,065.32
Excess of available assets over unfunded liabilities	1,231.33
	<hr/>
	<u>\$340,296.65</u>

The financial condition of the city, exclusive of its public property, is as follows: —

City Loan Bonds bearing interest at 4 per cent.	\$721,000.00
“ “ “ “ “ “ $4\frac{1}{2}$ “ “	209,000.00
City Loan Sewer Bonds bearing interest at 4 per cent.	119,000.00
City Loan Sewer Bonds bearing interest at $4\frac{1}{2}$ per cent.	16,000.00
City Loan Sewer Bonds bearing interest at 5 per cent.	35,000.00
City Loan Paving Bonds bearing interest at 4 per cent.	85,000.00
Water Loan Bonds bearing interest at 4 per cent.	242,000.00
“ “ “ “ “ “ 5 “ “	69,500.00
“ “ “ “ “ “ $5\frac{1}{2}$ “ “	10,000.00
	<hr/>
Total Funded Debt, City Loan	\$1,000,000.00
“ “ “ Water Loan	321,500.00
“ “ “ Paving Loan (beyond debt limit)	85,000.00
“ “ “ Sewer Loan (beyond debt limit).	100,000.00
	<hr/>
Total Funded Debt	\$1,506,500.00
Total cash receipts for the year, including a balance of \$37,713.22 from the year 1894	\$1,974,333.78
Total cash disbursements	1,901,230.72
	<hr/>
Leaving in the treasury the sum of	\$73,103.06

A detailed statement of the public property, funded debt, and the receipts and disbursements of the various accounts will be found in the following appendix.

Respectfully submitted,

JOHN F. COLE,
Treasurer and Collector of Taxes.

APPENDIX TO TREASURER AND COLLECTOR'S REPORT.

TABLE A.

PUBLIC PROPERTY DECEMBER 31, 1895.

Central Hill land (13 acres, 5,032 feet)	.	.	.	\$200,000.00
City Hall	.	.	.	\$12,000.00
Furniture	.	.	.	3,000.00
				<hr/> 15,000.00
Public Library building	.	.	.	30,967.58
Public Library	.	.	.	25,000.00
				<hr/> 55,967.58
Central Fire Station	.	.	.	10,000.00
				10,000.00
High Schoolhouse	.	.	.	52,000.00
Furniture	.	.	.	3,500.00
Philosophical apparatus	.	.	.	500.00
				<hr/> 56,000.00
Prescott Schoolhouse, land (21,444 feet) and building	.	.	.	45,000.00
Furniture	.	.	.	2,000.00
				<hr/> 47,000.00
Luther V. Bell Schoolhouse, land (23,396 feet) and building	.	.	.	45,000.00
Furniture	.	.	.	2,000.00
				<hr/> 47,000.00
Forster Schoolhouse, land (27,499 feet) and building	.	.	.	45,000.00
Furniture	.	.	.	2,000.00
				<hr/> 47,000.00
<i>Amount carried forward</i>	.	.	.	<hr/> \$477,967.58

<i>Amount brought forward</i>	.	.	.	\$477,967.58
Morse Schoolhouse, land (29,109 feet) and building	.	.	\$45,000.00	
Furniture	.	.	2,000.00	
			<hr/>	47,000.00
Edgerly Schoolhouse, land (26,428 feet) and building	.	.	45,000.00	
Furniture	.	.	2,000.00	
			<hr/>	47,000.00
Highland Schoolhouse, land (23,260 feet) and building	.	.	46,837.19	
Furniture	.	.	2,000.00	
			<hr/>	48,837.19
Charles G. Pope Schoolhouse, land (27,236 feet) and building	.	.	60,000.00	
Furniture	.	.	2,000.00	
			<hr/>	62,000.00
Jacob T. Glines Schoolhouse, land (28,800 feet) and building	.	.	45,000.00	
Furniture	.	.	1,400.00	
			<hr/>	46,400.00
O. S. Knapp Schoolhouse, land (24,517 feet) and building	.	.	48,256.67	
Furniture	.	.	2,000.00	
			<hr/>	50,256.67
Bingham Schoolhouse, land (21,017 feet) and building	.	.	36,506.87	
Furniture	.	.	1,400.00	
			<hr/>	37,906.87
Davis Schoolhouse, land (38,152 feet) and building	.	.	25,000.00	
Furniture	.	.	700.00	
			<hr/>	25,700.00
George W. Durell Schoolhouse, land (13,883 feet) and building	.	.	16,179.10	
Furniture	.	.	700.00	
			<hr/>	16,879.10
Cummings Schoolhouse, land (11,300 feet) and building	.	.	15,000.00	
Furniture	.	.	700.00	
			<hr/>	15,700.00
<i>Amount carried forward</i>	.	.	.	\$875,647.41

<i>Amount brought forward</i>	.	.	.	\$875,647.41
Prospect Hill Schoolhouse, land				
(25,315 feet) and building	.	.	\$20,000.00	
Furniture	.	.	1,000.00	
			<hr/>	21,000.00
Lincoln Schoolhouse, land (17,662				
feet) and building	.	.	14,000.00	
Furniture	.	.	700.00	
			<hr/>	14,700.00
Jackson Schoolhouse, land (11,212				
feet) and building	.	.	8,000.00	
Furniture	.	.	600.00	
			<hr/>	8,600.00
Bennett Schoolhouse, land (20,560				
feet) and building	.	.	10,000.00	
Furniture	.	.	600.00	
			<hr/>	10,600.00
Harvard Schoolhouse, land (9,810				
feet) and building	.	.	3,500.00	
Furniture	.	.	100.00	
			<hr/>	3,600.00
Franklin Schoolhouse, land (33,017				
feet) and building	.	.	15,000.00	
Furniture	.	.	600.00	
			<hr/>	15,600.00
Beech Street Schoolhouse, land (6,000				
feet) and building	.	.	4,500.00	
Furniture	.	.	300.00	
			<hr/>	4,800.00
Spring Hill Schoolhouse, land (4,991				
feet) and building	.	.	1,500.00	
Furniture	.	.	100.00	
			<hr/>	1,600.00
Burns Schoolhouse, land (16,080 feet)				
and building	.	.	15,000.00	
Furniture	.	.	700.00	
			<hr/>	15,700.00
City Farm, land (10 acres, 12,523				
feet)	.	.		40,000.00
				<hr/>
<i>Amount carried forward</i>	.	.	.	\$1,011,847.41

<i>Amount brought forward</i>		\$1,011,847.41
Cedar Street Schoolhouse	\$700.00	
Furniture	100.00	
		800.00
City Stables and dwelling-houses		26,881.00
Equipments for highway repairs		15,000.00
Watering carts and sheds		5,000.00
No. 1 Fire Station, land (4,312 feet) and building	2,500.00	
Furniture	400.00	
Hose wagon No. 1 and apparatus	1,500.00	
		4,400.00
No. 2 Fire Station, land (5,400 feet) and building	8,000.00	
Furniture	400.00	
Hose wagon No. 2 and apparatus	1,500.00	
		9,900.00
No. 3 Fire Station, land (5,226 feet) and building	9,000.00	
Furniture	400.00	
Hose wagon No. 3 and apparatus	1,500.00	
Hook and ladder, truck and apparatus	3,400.00	
		14,300.00
No. 4 Fire Station, land (9,100 feet) and building	12,000.00	
Furniture	400.00	
Engine No. 4 and apparatus	4,000.00	
Combination wagon and appa- tus	2,500.00	
		18,900.00
No. 5 Fire Station, land (39,456 feet) and building	16,000.00	
Furniture	400.00	
Hose wagon No. 5 and apparatus	1,500.00	
		17,900.00
Hook and Ladder Station No. 2 land (9,902.7 square feet) and building, equipment and furniture		14,753.71
<i>Amount carried forward</i>		\$1,139,682.12

<i>Amount brought forward</i>		\$1,139,682.12
Central Fire Station, land (10,019 feet) and building	\$43,603.89	
Furniture	500.00	
Engine No. 1 and apparatus	4,000.00	
Hose Wagon and apparatus	2,000.00	
Relief engine	3,000.00	
Two relief hose carriages	1,000.00	
One relief hook and ladder	400.00	
Chemical Engine A and equipment	2,498.53	
		<hr/> 57,002.42
Land for fire station, Ward One (8,279 square feet)		6,000.00
Fire-alarm telegraph		25,000.00
Police Station, land (15,232 feet) and building	45,000.00	
Furniture	3,000.00	
		<hr/> 48,000.00
Police-signal system and apparatus		8,000.00
Prospect street, land (7,918 feet) and building		7,000.00
Broadway Park (cost \$212,993.20)		125,000.00
Joy street, land (2,960 feet)		500.00
Walnut Hill, land (10,980 feet)		1,000.00
Elm street, land (18,000 feet)		6,000.00
Webster avenue, land (11,050 feet)		4,241.50
Washington street, land Wyatt's Pit (126,689.7 feet)		4,012.27
Holland street, land (5 acres, 6,806 feet)		20,000.00
Gravel land in Waltham (about 35 acres)		15,000.00
Gravel land in Wakefield (about $1\frac{1}{3}$ acres)		5,000.00
Gravel land rear North street (about $5\frac{43}{100}$ acres)		4,000.00
Nathan Tufts Park (about $4\frac{54}{100}$ acres)		47,649.28
Somerville Water Works cost		667,976.93
Oliver street, land (63,069 feet)		7,500.00
Whipple street, land (15,240 feet)		800.00
English High Schoolhouse and contents, unfinished		134,735.66
William H. Hodgkins Schoolhouse, land (35,034 feet) and building unfinished		22,520.22
		<hr/>
Total amount of public property		\$2,356,620.40

TABLE B.

FUNDED DEBT DECEMBER 31, 1895.

CITY LOAN BONDS.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
January 1, 1892	1,254 to 1,263	4	Jan. 1, 1896	\$1,000	\$10,000
July 1, 1894	1,593 to 1,601	4	July 1, 1896	1,000	9,000
July 1, 1895	1,734 to 1,752	4	July 1, 1896	1,000	19,000
October 1, 1889	944 to 948	4	Oct. 1, 1896	1,000	5,000
October 1, 1890	1,053 to 1,062	4	Oct. 1, 1896	1,000	10,000
October 1, 1890	1,123 to 1,126	4	Oct. 1, 1896	1,000	4,000
October 1, 1891	1,175 to 1,181	4	Oct. 1, 1896	1,000	7,000
October 1, 1893	1,373 to 1,396	4½	Oct. 1, 1896	1,000	24,000
January 1, 1892	1,264 to 1,273	4	Jan. 1, 1897	1,000	10,000
July 1, 1888	910 to 913	4	July 1, 1897	1,000	4,000
July 1, 1894	1,602 to 1,610	4	July 1, 1897	1,000	9,000
July 1, 1895	1,753 to 1,771	4	July 1, 1897	1,000	19,000
October 1, 1889	949 to 969	4	Oct. 1, 1897	1,000	21,000
October 1, 1890	1,063 to 1,072	4	Oct. 1, 1897	1,000	10,000
October 1, 1890	1,127 to 1,130	4	Oct. 1, 1897	1,000	4,000
October 1, 1891	1,182 to 1,188	4	Oct. 1, 1897	1,000	7,000
October 1, 1893	1,397 to 1,420	4½	Oct. 1, 1897	1,000	24,000
January 1, 1892	1,274 to 1,283	4	Jan. 1, 1898	1,000	10,000
July 1, 1894	1,611 to 1,619	4	July 1, 1898	1,000	9,000
July 1, 1895	1,772 to 1,790	4	July 1, 1898	1,000	19,000
October 1, 1889	970 to 993	4	Oct. 1, 1898	1,000	24,000
October 1, 1890	1,073 to 1,082	4	Oct. 1, 1898	1,000	10,000
October 1, 1890	1,131 to 1,134	4	Oct. 1, 1898	1,000	4,000
October 1, 1891	1,189 to 1,195	4	Oct. 1, 1898	1,000	7,000
October 1, 1893	1,421 to 1,444	4½	Oct. 1, 1898	1,000	24,000
January 1, 1892	1,284 to 1,293	4	Jan. 1, 1899	1,000	10,000
July 1, 1894	1,620 to 1,628	4	July 1, 1899	1,000	9,000
<i>Amount</i>	<i>carried forward</i>	<i>d</i>	.	.	\$322,000

TABLE B.—CITY LOAN BONDS. — *Continued.*

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
<i>Amount brought forward</i>	<i>d</i>	.	.	.	\$322,000
July 1, 1895	1,791 to 1,809	4	July 1, 1899	\$1,000	19,000
October 1, 1889	994 to 1,002	4	Oct. 1, 1899	1,000	9,000
October 1, 1890	1,083 to 1,092	4	Oct. 1, 1899	1,000	10,000
October 1, 1890	1,135 to 1,138	4	Oct. 1, 1899	1,000	4,000
October 1, 1891	1,196 to 1,202	4	Oct. 1, 1899	1,000	7,000
October 1, 1893	1,445 to 1,468	4½	Oct. 1, 1899	1,000	24,000
January 1, 1892	1,294 to 1,303	4	Jan. 1, 1900	1,000	10,000
July 1, 1894	1,629 to 1,637	4	July 1, 1900	1,000	9,000
July 1, 1895	1,810 to 1,827	4	July 1, 1900	1,000	18,000
October 1, 1890	1,093 to 1,102	4	Oct. 1, 1900	1,000	10,000
October 1, 1890	1,139 to 1,142	4	Oct. 1, 1900	1,000	4,000
October 1, 1891	1,203 to 1,208	4	Oct. 1, 1900	1,000	6,000
October 1, 1893	1,469 to 1,492	4½	Oct. 1, 1900	1,000	24,000
January 1, 1892	1,304 to 1,313	4	Jan. 1, 1901	1,000	10,000
July 1, 1894	1,638 to 1,646	4	July 1, 1901	1,000	9,000
July 1, 1895	1,828 to 1,845	4	July 1, 1901	1,000	18,000
October 1, 1890	1,143 to 1,146	4	Oct. 1, 1901	1,000	4,000
October 1, 1891	1,209 to 1,211	4	Oct. 1, 1901	1,000	3,000
October 1, 1893	1,493 to 1,516	4½	Oct. 1, 1901	1,000	24,000
January 1, 1892	1,314 to 1,323	4	Jan. 1, 1902	1,000	10,000
July 1, 1894	1,647 to 1,655	4	July 1, 1902	1,000	9,000
July 1, 1895	1,846 to 1,863	4	July 1, 1902	1,000	18,000
October 1, 1891	1,212 to 1,214	4	Oct. 1, 1902	1,000	3,000
October 1, 1893	1,517 to 1,546	4½	Oct. 1, 1902	1,000	30,000
July 1, 1894	1,656 to 1,664	4	July 1, 1903	1,000	9,000
July 1, 1895	1,864 to 1,881	4	July 1, 1903	1,000	18,000
October 1, 1891	1,215 to 1,217	4	Oct. 1, 1903	1,000	3,000
October 1, 1893	1,547 to 1,581	4½	Oct. 1, 1903	1,000	35,000
July 1, 1894	1,665 to 1,673	4	July 1, 1904	1,000	9,000
July 1, 1895	1,882 to 1,899	4	July 1, 1904	1,000	18,000
<i>Amount carried forward</i>	<i>d</i>	.	.	.	\$706,000

TABLE B.—CITY LOAN BONDS.— *Concluded.*

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomi- nation.	Amount.
<i>Amount</i>	<i>brought forward</i>	<i>d</i>	<i>.</i>	<i>.</i>	\$706,000
October 1, 1891	1,218 to 1,220	4	Oct. 1, 1904	\$1,000	3,000
July 1, 1894	1,674 to 1,679	4	July 1, 1905	1,000	6,000
July 1, 1895	1,900 to 1,917	4	July 1, 1905	1,000	18,000
October 1, 1891	1,221 to 1,223	4	Oct. 1, 1905	1,000	3,000
July 1, 1894	1,680 to 1,685	4	July 1, 1906	1,000	6,000
July 1, 1895	1,918 to 1,932	4	July 1, 1906	1,000	15,000
July 1, 1894	1,686 to 1,691	4	July 1, 1907	1,000	6,000
July 1, 1895	1,933 to 1,947	4	July 1, 1907	1,000	15,000
July 1, 1894	1,692 to 1,697	4	July 1, 1908	1,000	6,000
July 1, 1895	1,948 to 1,962	4	July 1, 1908	1,000	15,000
July 1, 1894	1,698 to 1,703	4	July 1, 1909	1,000	6,000
July 1, 1895	1,963 to 1,976	4	July 1, 1909	1,000	14,000
July 1, 1894	1,704 to 1,709	4	July 1, 1910	1,000	6,000
July 1, 1895	1,977 to 1,990	4	July 1, 1910	1,000	14,000
July 1, 1894	1,710 to 1,715	4	July 1, 1911	1,000	6,000
July 1, 1895	1,991 to 2,004	4	July 1, 1911	1,000	14,000
July 1, 1894	1,716 to 1,721	4	July 1, 1912	1,000	6,000
July 1, 1895	2,005 to 2,018	4	July 1, 1912	1,000	14,000
July 1, 1894	1,722 to 1,727	4	July 1, 1913	1,000	6,000
July 1, 1895	2,019 to 2,031	4	July 1, 1913	1,000	13,000
July 1, 1894	1,728 to 1,733	4	July 1, 1914	1,000	6,000
July 1, 1895	2,032 to 2,044	4	July 1, 1914	1,000	13,000
July 1, 1895	2,045 to 2,057	4	July 1, 1915	1,000	13,000
<i>Total</i>	<i>amount of City</i>	<i>Loan Bonds</i>	<i>.</i>	<i>.</i>	\$930,000

TABLE B.

SEWER LOAN BONDS.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
July 1, 1876	1 to 7	5	July 1, 1896	\$5,000	\$35,000
July 1, 1894	55	4	July 1, 1896	1,000	1,000
October 1, 1893	38	4½	Oct. 1, 1896	1,000	1,000
July 1, 1894	56	4	July 1, 1897	1,000	1,000
October 1, 1893	39	4½	Oct. 1, 1897	1,000	1,000
July 1, 1894	57	4	July 1, 1898	1,000	1,000
October 1, 1893	40	4½	Oct. 1, 1898	1,000	1,000
July 1, 1894	58	4	July 1, 1899	1,000	1,000
October 1, 1893	41	4½	Oct. 1, 1899	1,000	1,000
July 1, 1894	59	4	July 1, 1900	1,000	1,000
October 1, 1893	42	4½	Oct. 1, 1900	1,000	1,000
July 1, 1894	60	4	July 1, 1901	1,000	1,000
October 1, 1893	43	4½	Oct. 1, 1901	1,000	1,000
July 1, 1894	61	4	July 1, 1902	1,000	1,000
October 1, 1893	44	4½	Oct. 1, 1902	1,000	1,000
July 1, 1894	62	4	July 1, 1903	1,000	1,000
October 1, 1893	45	4½	Oct. 1, 1903	1,000	1,000
July 1, 1894	63	4	July 1, 1904	1,000	1,000
October 1, 1893	46	4½	Oct. 1, 1904	1,000	1,000
July 1, 1894	64	4	July 1, 1905	1,000	1,000
October 1, 1893	47	4½	Oct. 1, 1905	1,000	1,000
July 1, 1894	65	4	July 1, 1906	1,000	1,000
October 1, 1893	48	4½	Oct. 1, 1906	1,000	1,000
July 1, 1894	66	4	July 1, 1907	1,000	1,000
October 1, 1893	49	4½	Oct. 1, 1907	1,000	1,000
July 1, 1894	67	4	July 1, 1908	1,000	1,000
October 1, 1893	50	4½	Oct. 1, 1908	1,000	1,000
<i>Amount carried forward</i>		.	. . . . .	. . . . .	\$61,000

TABLE B.—SEWER LOAN BONDS.— *Continued.*

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
<i>Amount brought forward</i>					\$61,000
July 1, 1894	68	4	July 1, 1909	\$1,000	1,000
October 1, 1893	51	4½	Oct. 1, 1909	1,000	1,000
July 1, 1894	69	4	July 1, 1910	1,000	1,000
October 1, 1893	52	4½	Oct. 1, 1910	1,000	1,000
July 1, 1894	70	4	July 1, 1911	1,000	1,000
October 1, 1893	53	4½	Oct. 1, 1911	1,000	1,000
July 1, 1894	71	4	July 1, 1912	1,000	1,000
July 1, 1894	72	4	July 1, 1913	1,000	1,000
July 1, 1894	73	4	July 1, 1914	1,000	1,000
<i>Total amount of Sewer Loan Bonds</i>					\$70,000

TABLE B.—SEWER LOAN BONDS.—*Concluded.*

ISSUED UNDER AUTHORITY OF CHAPTER 357, ACTS OF 1895,
BEYOND THE LIMIT FIXED BY LAW.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomi- nation.	Amount.
July 1, 1895	74 to 77	4	July 1, 1896	\$1,000	\$4,000
July 1, 1895	78 to 81	4	July 1, 1897	1,000	4,000
July 1, 1895	82 to 85	4	July 1, 1898	1,000	4,000
July 1, 1895	86 to 89	4	July 1, 1899	1,000	4,000
July 1, 1895	90 to 93	4	July 1, 1900	1,000	4,000
July 1, 1895	94 to 97	4	July 1, 1901	1,000	4,000
July 1, 1895	98 to 101	4	July 1, 1902	1,000	4,000
July 1, 1895	102 to 105	4	July 1, 1903	1,000	4,000
July 1, 1895	106 to 109	4	July 1, 1904	1,000	4,000
July 1, 1895	110 to 113	4	July 1, 1905	1,000	4,000
July 1, 1895	114 to 116	4	July 1, 1906	1,000	3,000
July 1, 1895	117 to 119	4	July 1, 1907	1,000	3,000
July 1, 1895	120 to 122	4	July 1, 1908	1,000	3,000
July 1, 1895	123 to 125	4	July 1, 1909	1,000	3,000
July 1, 1895	126 to 128	4	July 1, 1910	1,000	3,000
July 1, 1895	129 to 131	4	July 1, 1911	1,000	3,000
July 1, 1895	132 to 134	4	July 1, 1912	1,000	3,000
July 1, 1895	135 to 137	4	July 1, 1913	1,000	3,000
July 1, 1895	138 to 140	4	July 1, 1914	1,000	3,000
July 1, 1895	141 to 143	4	July 1, 1915	1,000	3,000
July 1, 1895	144 to 146	4	July 1, 1916	1,000	3,000
July 1, 1895	147 to 149	4	July 1, 1917	1,000	3,000
July 1, 1895	150 to 152	4	July 1, 1918	1,000	3,000
July 1, 1895	153 to 155	4	July 1, 1919	1,000	3,000
July 1, 1895	156 to 158	4	July 1, 1920	1,000	3,000
July 1, 1895	159 to 161	4	July 1, 1921	1,000	3,000
July 1, 1895	162 to 164	4	July 1, 1922	1,000	3,000
July 1, 1895	165 to 167	4	July 1, 1923	1,000	3,000
July 1, 1895	168 to 170	4	July 1, 1924	1,000	3,000
July 1, 1895	171 to 173	4	July 1, 1925	1,000	3,000
<i>Total amount of Sewer Loan Bonds under above Act .</i>					\$100,000

TABLE B.

CITY LOAN PAVING BONDS.—ISSUED UNDER AUTHORITY OF
CHAPTER 153, ACTS OF 1892, BEYOND THE LIMIT
FIXED BY LAW.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomi- nation.	Amount.
October 1, 1892	16 to 20	4	Oct. 1, 1896	\$1,000	\$5,000
October 1, 1892	21 to 25	4	Oct. 1, 1897	1,000	5,000
October 1, 1892	26 to 30	4	Oct. 1, 1898	1,000	5,000
October 1, 1892	31 to 35	4	Oct. 1, 1899	1,000	5,000
October 1, 1892	36 to 40	4	Oct. 1, 1900	1,000	5,000
October 1, 1892	41 to 45	4	Oct. 1, 1901	1,000	5,000
October 1, 1892	46 to 50	4	Oct. 1, 1902	1,000	5,000
October 1, 1892	51 to 55	4	Oct. 1, 1903	1,000	5,000
October 1, 1892	56 to 60	4	Oct. 1, 1904	1,000	5,000
October 1, 1892	61 to 65	4	Oct. 1, 1905	1,000	5,000
October 1, 1892	66 to 70	4	Oct. 1, 1906	1,000	5,000
October 1, 1892	71 to 75	4	Oct. 1, 1907	1,000	5,000
October 1, 1892	76 to 80	4	Oct. 1, 1908	1,000	5,000
October 1, 1892	81 to 85	4	Oct. 1, 1909	1,000	5,000
October 1, 1892	86 to 90	4	Oct. 1, 1910	1,000	5,000
October 1, 1892	91 to 95	4	Oct. 1, 1911	1,000	5,000
October 1, 1892	96 to 100	4	Oct. 1, 1912	1,000	5,000
<i>Total</i>	<i>amount of</i>	<i>Paving Bonds</i>	.	. . .	\$85,000

TABLE B.

WATER LOAN BONDS.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
July 1, 1882	125 to 136	5	July 1, 1896	\$1,000	\$12,000
July 1, 1882	137	5	July 1, 1896	500	500
July 1, 1888	285	4	July 1, 1896	1,000	1,000
October 1, 1889	321 to 323	4	Oct. 1, 1896	1,000	3,000
October 1, 1890	403 to 404	4	Oct. 1, 1896	1,000	2,000
July 1, 1882	138 to 151	5	July 1, 1897	1,000	14,000
July 1, 1888	286	4	July 1, 1897	1,000	1,000
October 1, 1889	324 to 326	4	Oct. 1, 1897	1,000	3,000
October 1, 1890	405 to 406	4	Oct. 1, 1897	1,000	2,000
July 1, 1882	152 to 166	5	July 1, 1898	1,000	15,000
July 1, 1888	287	4	July 1, 1898	1,000	1,000
October 1, 1889	327 to 329	4	Oct. 1, 1898	1,000	3,000
October 1, 1890	407 to 408	4	Oct. 1, 1898	1,000	2,000
July 1, 1882	167 to 181	5	July 1, 1899	1,000	15,000
July 1, 1882	182	5	July 1, 1899	500	500
July 1, 1888	288	4	July 1, 1899	1,000	1,000
October 1, 1889	330 to 342	4	Oct. 1, 1899	1,000	13,000
October 1, 1890	409 to 410	4	Oct. 1, 1899	1,000	2,000
July 1, 1882	183 to 194	5	July 1, 1900	1,000	12,000
July 1, 1882	195	5	July 1, 1900	500	500
July 1, 1888	289	4	July 1, 1900	1,000	1,000
October 1, 1884	200 to 202	4	Oct. 1, 1900	1,000	3,000
October 1, 1889	343 to 344	4	Oct. 1, 1900	1,000	2,000
October 1, 1890	416 to 417	4	Oct. 1, 1900	1,000	2,000
October 1, 1892	a448 to a458	4	Oct. 1, 1900	1,000	11,000
<i>Amount</i>	<i>carried forward</i>	.	. . . . .	. .	\$122,500

TABLE B.—WATER LOAN BONDS.— *Continued.*

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomi- nation.	Amount.
<i>Amount brought forward</i>		.	. . . . .	. . . . .	\$122,500
July 1, 1888	290	4	July 1, 1901	\$1,000	1,000
October 1, 1884	203 to 212	4	Oct. 1, 1901	1,000	10,000
October 1, 1892	α459 to 468	4	Oct. 1, 1901	1,000	10,000
July 1, 1885	214 to 219	4	July 1, 1901	1,000	6,000
October 1, 1889	345 to 346	4	Oct. 1, 1901	1,000	2,000
October 1, 1890	418 to 419	4	Oct. 1, 1901	1,000	2,000
July 1, 1885	220 to 226	4	July 1, 1902	1,000	7,000
July 1, 1886	229 to 238	4	July 1, 1902	1,000	10,000
October 1, 1889	347 to 348	4	Oct. 1, 1902	1,000	2,000
October 1, 1890	420 to 421	4	Oct. 1, 1902	1,000	2,000
October 1, 1892	469 to 475	4	Oct. 1, 1902	1,000	7,000
July 1, 1886	239 to 256	4	July 1, 1903	1,000	18,000
October 1, 1889	349 to 350	4	Oct. 1, 1903	1,000	2,000
October 1, 1890	448 to 449	4	Oct. 1, 1903	1,000	2,000
July 1, 1886	257 to 266	4	July 1, 1904	1,000	10,000
October 1, 1889	351 to 352	4	Oct. 1, 1904	1,000	2,000
October 1, 1890	450 to 451	4	Oct. 1, 1904	1,000	2,000
October 1, 1889	353 to 355	4	Oct. 1, 1905	1,000	3,000
October 1, 1890	452 to 453	4	Oct. 1, 1905	1,000	2,000
July 1, 1876	30 to 31	5½	July 1, 1906	1,000	10,000
October 1, 1889	356 to 358	4	Oct. 1, 1906	1,000	3,000
October 1, 1890	454 to 455	4	Oct. 1, 1906	1,000	2,000
July 1, 1886	267 to 276	4	July 1, 1907	1,000	10,000
July 1, 1888	291	4	July 1, 1907	1,000	1,000
October 1, 1889	359 to 361	4	Oct. 1, 1907	1,000	3,000
October 1, 1890	456 to 457	4	Oct. 1, 1907	1,000	2,000
July 1, 1888	292	4	July 1, 1908	1,000	1,000
October 1, 1889	362 to 364	4	Oct. 1, 1908	1,000	3,000
October 1, 1890	458 to 459	4	Oct. 1, 1908	1,000	2,000
July 1, 1888	293	4	July 1, 1909	1,000	1,000
October 1, 1889	365 to 367	4	Oct. 1, 1909	1,000	3,000
<i>Amount carried forward</i>		.	. . . . .	. . . . .	\$263,500

TABLE B.—WATER LOAN BONDS.—*Concluded.*

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomi- nation.	Amount.
<i>Amount brought forward</i>					\$263,500
October 1, 1890	423 to 424	4	Oct. 1, 1909	\$1,000	2,000
July 1, 1888	294	4	July 1, 1910	1,000	1,000
October 1, 1889	368 to 370	4	Oct. 1, 1910	1,000	3,000
October 1, 1890	426 to 427	4	Oct. 1, 1910	1,000	2,000
July 1, 1888	295	4	July 1, 1911	1,000	1,000
October 1, 1889	371 to 373	4	Oct. 1, 1911	1,000	3,000
October 1, 1890	428 to 429	4	Oct. 1, 1911	1,000	2,000
July 1, 1888	296	4	July 1, 1912	1,000	1,000
October 1, 1889	374 to 376	4	Oct. 1, 1912	1,000	3,000
October 1, 1890	430 to 431	4	Oct. 1, 1912	1,000	2,000
July 1, 1888	297	4	July 1, 1913	1,000	1,000
October 1, 1889	377 to 379	4	Oct. 1, 1913	1,000	3,000
October 1, 1890	432 to 433	4	Oct. 1, 1913	1,000	2,000
July 1, 1888	298	4	July 1, 1914	1,000	1,000
October 1, 1889	380 to 382	4	Oct. 1, 1914	1,000	3,000
October 1, 1890	434 to 435	4	Oct. 1, 1914	1,000	2,000
July 1, 1888	299	4	July 1, 1915	1,000	1,000
October 1, 1889	383 to 384	4	Oct. 1, 1915	1,000	2,000
October 1, 1890	436 to 437	4	Oct. 1, 1915	1,000	2,000
July 1, 1888	300	4	July 1, 1916	1,000	1,000
October 1, 1889	385 to 386	4	Oct. 1, 1916	1,000	2,000
October 1, 1890	438 to 439	4	Oct. 1, 1916	1,000	2,000
July 1, 1888	301	4	July 1, 1917	1,000	1,000
October 1, 1889	387 to 388	4	Oct. 1, 1917	1,000	2,000
October 1, 1890	440 to 441	4	Oct. 1, 1917	1,000	2,000
July 1, 1888	302	4	July 1, 1918	1,000	1,000
October 1, 1889	389 to 390	4	Oct. 1, 1918	1,000	2,000
October 1, 1890	442 to 443	4	Oct. 1, 1918	1,000	2,000
October 1, 1889	391 to 392	4	Oct. 1, 1919	1,000	2,000
October 1, 1890	444 to 445	4	Oct. 1, 1919	1,000	2,000
October 1, 1890	446 to 447	4	Oct. 1, 1920	1,000	2,000
<i>Total</i>	<i>amount of Water Loan Bonds</i>				\$321,500

RECAPITULATION.

City Loan Bonds	\$930,000.00
Sewer Loan Bonds	70,000.00
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Total amount of Funded Debt within the limit provided by law	\$1,000,000.00
Sewer Loan Bonds, issued under Chapter 357, Acts of 1895	100,000.00
City Loan Paving Bonds, issued under Chapter 153, Acts of 1892	85,000.00
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Total amount of Funded Debt outside of the limit allowed by law, issued under special Acts	\$185,000.00
Water Loan Bonds	321,500.00
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Total amount of Funded Debt	<u><u>\$1,506,500.00</u></u>

TABLE C.

STATEMENT OF ACCOUNTS SHOWING APPROPRIATIONS, EXPENDITURES, ETC., TO DECEMBER 31, 1895.

APPROPRIATIONS.

	CREDIT.
Taxes, amount assessed	\$638,450.00
Property and Debt balance	424,000.00
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<i>Amount carried forward</i>	\$1,062,450.00

Amount brought forward \$1,062.450.00

DEBIT.

Fire Department	\$ 47,000.00
Fire Department, Central Fire Station	5,700.00
Fire Department, Fire Station, Ward One	17,700.00
Fire Department, Hook and Ladder Station	1,100.00
Health Department	21,000.00
Highways	60,000.00
Highways, City Stable	6,000.00
Highways, Paving Medford street .	27,400.00
Indigent Soldiers and Sailors . .	300.00
Interest	70,000.00
Miscellaneous	6,000.00
Police	23,000.00
Police Station Incidentals . .	3,000.00
Printing and Stationery	6,000.00
Public Grounds	7,000.00
Public Grounds, Wyatt's Pit . .	3,600.00
Public Library	6,500.00
Public Library Improvement . .	3,000.00
Reduction of Funded Debt . .	76,000.00
Renewals of Funded Debt . .	177,000.00
Relief and Burial of Indigent Soldiers and Sailors	5,000.00
Salaries	37,500.00
School Contingent	18,000.00
School Contingent, Janitors' Salaries	12,000.00
School Fuel	9,000.00
Schoolhouse, English High . .	27,000.00
Schoolhouse, English High, Heating, Ventilating and Plumbing .	1,000.00
Schoolhouse Incidentals	13,000.00
Schoolhouse, O. S. Knapp Addition .	1,500.00
Schoolhouse, Ward Four	53,000.00
School Teachers' Salaries . . .	134,000.00

<i>Amounts carried forward</i> . . .	<u>\$878,300.00</u>	<u>\$1,062,450.00</u>
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<i>Amounts brought forward</i>	.	\$878,300.00	\$1,062,450.00
Sewers, Construction	. . .	50,000.00	
Sewers	. . . . .	50,000.00	
Sewers, Maintenance	. . .	7,000.00	
Sidewalks	. . . . .	10,000.00	
Street Lights	. . . . .	45,000.00	
Support of Poor	. . . . .	16,150.00	
Watering Streets	. . . . .	6,000.00	
		<hr/>	<hr/>
			1,062,450.00

CASH.

CREDIT.

County of Middlesex	. . . . .	\$ 40,875.13
Fire Department	. . . . .	51,592.11
Fire Department, Central Fire Station	. . .	9,068.87
Fire Department, Central Fire Station, Electrical Apparatus and Furniture	. . . . .	3,142.27
Fire Department, Hook and Ladder Station	. .	1,802.23
Fire Department, Fire Station, Ward One	. .	8,491.78
Funded Debt	. . . . .	262,000.00
Health Department	. . . . .	28,828.07
Highways	. . . . .	67,023.66
Highways, City Stable	. . . . .	9,529.12
Highways, Paving Medford street	. . . . .	10,459.12
Indigent Soldiers and Sailors	. . . . .	648.00
Interest	. . . . .	59,342.61
Miscellaneous	. . . . .	18,495.04
Overlay and Abatement	. . . . .	94.20
Police	. . . . .	54,244.29
Police Station Incidentals	. . . . .	2,852.40
Printing and Stationery	. . . . .	6,666.25
Public Grounds, Wyatt's Pit	. . . . .	4,012.27
Public Grounds	. . . . .	10,173.51
Public Library	. . . . .	9,306.49
Public Library Improvement	. . . . .	5,967.58
Relief and Burial of Indigent Soldiers and Sailors	. . . . .	6,478.52
Salaries	. . . . .	\$37,773.04
		<hr/>
<i>Amount carried forward</i>	. . . . .	\$708,866.56

<i>Amount brought forward</i>		\$708,866.56
School Contingent		21,118.36
School Contingent, Janitors' Salaries		13,268.59
School Fuel		9,620.23
Schoolhouse, Edgerly Addition		565.50
Schoolhouse, English High		65,526.02
Schoolhouse, High and English High, Heating, Ventilating and Plumbing		8,309.96
Schoolhouse Incidentals		15,331.25
Schoolhouse, O. S. Knapp Addition		4,233.21
Schoolhouse, Ward Four, south side F. R. R.		689.00
Schoolhouse, Ward Four		22,520.22
School Teachers' Salaries		139,712.87
Sewers, Construction		22,297.67
Sewers, Maintenance		9,897.15
Sidewalks		20,184.33
State Aid		7,466.50
State of Massachusetts		25,890.00
State of Massachusetts, Metropolitan Sewer		29,872.56
State of Massachusetts, Non-resident Bank Stock		806.96
Street Lights		46,478.27
Sundry Persons		1,855.00
Support of Poor		20,755.46
Temporary Loans		606,000.00
Water Loan Interest		14,185.00
Water Maintenance		33,262.69
Water Services		4,975.05
Watering Streets		14,791.71
Water Works Extension		32,750.60
Balance to debit in account 1896		73,103.06
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		\$1,974,333.78

DEBIT.

Balance from 1894	\$ 37,713.22	
City of Boston, Water Rates	89,431.46	
Fire Department	137.02	
Funded Debt	424,000.00	
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<i>Amounts carried forward</i>	\$551,281.70	\$1,974,333.78

<i>Amounts brought forward</i>	\$551,281.70	\$1,974,333.78
Health Department	1,640.36	
Highways	7,600.13	
Highways, Paving Medford street	108.53	
Interest	27,918.79	
Miscellaneous	5,396.54	
Overlay and Abatement	18.00	
Police	29,698.05	
Police Station Incidentals	300.00	
Public Grounds	6.00	
Public Library	2,917.28	
Salaries	924.49	
School Contingent	300.24	
School Contingent, Janitors' Salaries	847.50	
School Fuel	727.75	
Schoolhouse, English High	1,100.93	
Sewer Assessments	11,067.19	
Sewers, Construction	772.58	
Sewers, Maintenance	327.46	
Sidewalks	13.58	
Sidewalk Assessments	9,679.73	
State Aid	22.00	
State of Massachusetts, Burial of Indigent Soldiers and Sailors	157.50	
State of Massachusetts, Indigent Soldiers and Sailors	296.00	
State of Massachusetts, State Aid	7,436.00	
Street Lights	6.00	
Support of Poor	3,902.57	
Taxes	719,067.70	
Temporary Loans	575,000.00	
Water Maintenance	356.18	
Water Services	365.05	
Water Service Assessments	6,246.75	
Watering Streets	8,088.04	
Water Works Extension	743.16	
	<hr/>	<hr/>
		\$1,974,333.78

CITY OF BOSTON, WATER RATES.

CREDIT.

Cash, received of City of Boston, return on water rates	\$89,431.46
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DEBIT.

Water Maintenance, amount transferred	\$35,000.00
Water Works Extension, amount transferred	30,000.00
Water Loan Interest, amount transferred	14,250.00
Reduction of Funded Debt, amount transferred	10,181.46
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	\$89,431.46

COUNTY OF MIDDLESEX.

CREDIT.

Taxes, amount assessed	\$40,875.13
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DEBIT.

Cash, paid County tax	<u>\$40,875.13</u>
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EXCESS AND DEFICIENCY.

CREDIT.

Fire Department, Central Fire Station, credit balance of account	\$344.70
Fire Department, Central Fire Station, Electrical Apparatus and Furniture, credit balance of account	1.41
Fire Department, Chemical Engine and Equipment, credit balance of account	501.47
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<i>Amount carried forward</i>	\$847.58

<i>Amount brought forward</i>	\$ 847.58
Fire Department, Hook and Ladder Station, credit balance of account	65.29
Fire Department, Hook and Ladder Station, Equipment and Furniture, credit balance of account	31.00
Highways, credit balance of account	576.47
Highways, City Stable, credit balance of account	619.00
Interest, credit balance of account	37,918.06
Police Station Incidentals, credit balance of account	447.60
Public Library Improvement, credit balance of account	32.42
Salaries, credit balance of account	651.45
School Fuel, credit balance of account	107.52
Schoolhouse, Edgerly Addition, credit balance of account	53.98
Schoolhouse, O. S. Knapp Addition, credit balance of account	143.33
	<hr/>
	\$41,493.70

DEBIT.

Fire Department, debit balance of account	\$4,455.09	
Health Department, debit balance of account	6,187.71	
Indigent Soldiers and Sailors, debit balance of account	24.00	
Miscellaneous, debit balance of account	7,014.00	
Police, debit balance of account	1,546.24	
Printing and Stationery, debit balance of account	666.25	
Public Grounds, debit balance of account	1,070.95	
Public Grounds, Wyatt's Pit, debit balance of account	412.27	
Relief and Burial of Indigent Soldiers and Sailors, debit balance of account	1,198.52	
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<i>Amounts carried forward</i>	\$22,575.03	\$41,493.70

<i>Amounts brought forward</i>	\$22,575.03	\$41,493.70
School Contingent, debit balance of account	2,818.12	
School Contingent, Janitors' Salaries, debit balance of account	421.09	
Schoolhouse, English High, debit balance of account	128.42	
Schoolhouse, High and English High, Heating, Ventilating, and Plumbing, debit balance of account	107.24	
Schoolhouse Incidentals, debit bal- ance of account	2,331.25	
Schoolhouse, Ward Four, south side F. R. R., debit balance of account	634.49	
School Teachers' Salaries, debit bal- ance of account	5,712.87	
Sewers Maintenance, debit balance of account	2,569.69	
Sidewalks, debit balance of account	85.34	
Street Lights, debit balance of ac- count	1,472.27	
Support of Poor, debit balance of account	702.89	
Watering streets, debit balance of account	703.67	
Balance to credit in account 1896	1,231.33	
	<hr/>	<hr/>
		\$41,493.70

FIRE DEPARTMENT.

CREDIT.

Appropriations, amount assessed	\$47,000.00
Cash, received of Frank X. Williams, old copper, zinc, etc.	\$87.02
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<i>Amounts carried forward</i>	\$87.02
	<hr/>
	\$47,000.00

<i>Amounts brought forward</i>	\$87.02	\$47,000.00
A. J. Wilkinson & Co., discount on bill	2.00	
Charles S. Butters, manure	48.00	
	<hr/>	\$ 137.02
Excess and Deficiency, balance to debit in account		4,455.09
		<hr/>
		\$51,592.11

DEBIT.

Cash, paid James R. Hopkins, chief engineer	\$1,650.00	
Nathaniel C. Barker, assistant engineer	600.00	
Henry A. Byrns, steamer en- gineer	1,140.00	
L. D. Bixby, steamer engineer	1,140.00	
William A. Burbank, assistant steamer engineer	999.96	
John Gillooley, assistant steamer engineer	999.96	
Melvin C. Ricker, captain and driver	999.96	
Charles H. Stearnes, captain and driver	999.96	
Samuel F. Stevens, captain and driver	999.96	
Thomas H. Daley, captain and driver	999.96	
Edward Ring, captain and driver	1,049.99	
Clarence V. Cook, captain	802.46	
Edwin F. Trefren, "	780.78	
George F. Harris, driver	999.96	
Irving C. Jackson, "	999.96	
Benjamin H. Pond, "	785.98	
Horace W. Hutchins, "	752.49	
William H. Whitcomb, "	744.37	
	<hr/>	
<i>Amounts carried forward</i>	\$17,445.75	\$51,592.11

<i>Amounts brought forward</i>	\$17,445.75	\$51,592.11
Henry A. Angier, driver	680.00	
Benjamin H. Daley, hoseman	785.98	
Arthur H. Gilman, " "	879.97	
Frank A. Hersey, " "	38.39	
Richard T. Clarkson, ladderman	869.97	
Joseph A. Cribby, substitute driver	780.00	
Arthur H. Sellon, substitute driver	682.00	
Oscar P. Sheltus, substitute driver	330.00	
Frank L. Draper, substitute driver	96.75	
Samuel A. Thompson, substitute driver	86.00	
James I. King, substitute driver	80.00	
John Frizzell, substitute driver	67.43	
Harry W. Elwell, substitute driver	58.00	
Horace P. Ewell, substitute driver	57.03	
Lewis E. Seymour, substitute driver	28.00	
Martin Driscoll, substitute driver	48.00	
Wilfred Young, substitute driver	36.00	
Frederick G. Jones, substitute driver	28.00	
George L. Blackbird, janitor	600.00	
Steamer Company No. 1, callmen	993.50	
Steamer Company No. 4, " "	1,022.50	
Hook and Ladder Company, No. 1, callmen	1,292.00	
Hook and Ladder Company No. 2, callmen	1,479.50	
Hose Company No. 1, callmen	1,102.00	
Hose Company No. 2, " "	1,122.00	
Hose Company No. 3, " "	1,110.00	
Hose Company No. 5, " "	1,116.50	
James L. Prentiss, lineman	846.94	
Frank L. Draper, " "	692.09	
<i>Amounts carried forward</i>	\$34,454.30	\$51,592.11

<i>Amounts brought forward</i>	.	.	\$34,454.30	\$51,592.11
Frank Nicholson, lineman	.	.	211.00	
James L. Bennett,	"	.	25.00	
Harry Clifford,	"	.	25.00	
James Baird,	"	.	16.00	
William Bradford,	"	.	5.63	
Oscar P. Sheltus,	"	.	2.25	
George Alexander,	"	.	2.25	
Bayne Higgins, watching	.	.	2.25	
Harry Locke,	"	.	2.25	
James E. Raines,	"	.	2.25	
Almon N. Irish,	"	.	2.00	
John H. Cuddy,	"	.	4.00	
Thomas W. Joy,	"	.	2.00	
Seward Dodge, horseshoeing	.	.	171.26	
Gerry & Rufer,	"	.	152.17	
Cadogan Brothers,	"	.	157.75	
W. H. Richardson,	"	.	62.90	
Edward O'Brien,	"	.	59.11	
C. W. Ingalls,	"	.	43.43	
A. Clement,	"	.	49.60	
Thomas F. Culliton,	"	.	18.10	
Lawrence Barrett,	"	.	7.25	
J. B. Reilly,	"	.	.50	
Bradbury & Thomas,	"	.	4.00	
Charles L. Underhill, black-				
smithing	.	.	75.15	
Miller & Shaw, blacksmithing	.	.	18.59	
Jacob Woodbury,	"	.	.50	
Underhill Brothers,	"	.	.40	
Thomas Loville,	"	.	1.50	
H. A. Brownell, harness work	.	.	39.10	
E. Spalding,	"	.	25 75	
C. N. Perkins,	"	.	23.60	
D. J. Bennett,	"	.	12.60	
F. Ivers & Son,	"	.	3.60	
Hill & Hill,	"	.	35.58	
<i>Amounts carried forward</i>	.	.	\$35,718.62	\$51,592.11

<i>Amounts brought forward</i> . . .	\$35,718.62	\$51,592.11
Alexander Thomson, harness work . . .	24.00	
Charles E. Berry, " . . .	103.00	
Harry A. Glazier, " . . .	30.00	
Harry L. Marston, " . . .	15.00	
Scrannage Bros., repairs of apparatus	17.95	
Crosby Steam Gage & Valve Co., repairs	9.00	
A. E. Earle, valve	5.00	
Boston Woven Hose & Rubber Co., hose	302.38	
Revere Rubber Co., hose	160.00	
Cornelius Callahan Co., hose	118.25	
A. S. Jackson, hose	202.50	
The Gutta Percha & Rubber Mfg. Co., hose	87.75	
The New England Gamewell Co., electrical supplies	766.15	
Pettingell-Andrews Co., electrical supplies	121.29	
American Fire Engine Co., repairs of apparatus	146.46	
Frank W. Leavitt, repairs of apparatus	131.10	
E. Teel & Co., repairs of apparatus	166.75	
George W. Topham, repairs of apparatus	7.60	
Boston Electric Co., repairs of battery	4.00	
John P. Cushing & Co., cut out slate	15.00	
Oliver Whyte, electrical apparatus	50.50	
The S. M. Howes Co., basket	5.25	
Eastern Electric Cable Co., wire	22.50	
<i>Amounts carried forward</i> . . .	\$38,230.05	\$51,592.11

<i>Amounts brought forward</i> . . .	\$38,230.05	\$51,592.11
Fitz, Dana & Co., wire . . .	93.57	
G. D. B. Robinson, carpentering . . .	102.27	
G. M. Starbird, carpentering . . .	33.65	
Ernest W. Pitman, carpentering . . .	13.50	
Elijah Walker, carpentering . . .	9.97	
I. H. Brown, moulding Co., lum- ber	23.68	
Wilbur P. Rice, lumber . . .	39.11	
George H. Maynard & Co., plumbing	201.41	
H. W. Covell, plumbing . . .	17.12	
James F. Davlin, plumbing . . .	7.48	
Wm. E. Bucknam, mason work . . .	33.30	
Lord Brothers, mason work . . .	17.55	
Thomas McNee, repairs of roof . . .	48.30	
J. H. Hollis, glazing	3.00	
W. J. Logan, glazing	2.00	
Wallburg & Woehrn, painting . . .	30.20	
Fred. C. Fuller & Co., hardware . . .	32.90	
Howe & Flint, hardware	52.45	
Charles A. Holmes, hardware . . .	28.55	
W. I. Heald, hardware	36.42	
W. E. Plumer & Co., hardware . . .	39.03	
Whitney & Snow, hardware	77.70	
J. A. Durell, hardware	24.48	
Hopkinson & Holden, hardware . . .	12.00	
W. L. Snow, hardware	1.65	
Wm. H. Jarvis, hardware . . . . .	.55	
J. A. & W. Bird & Co., vitriol . . .	396.77	
Cochrane Chemical Co., vitriol . . .	7.98	
Elias Lathrop, ointment	6.00	
Thomas Hollis, drugs	16.00	
E. F. Chaffee, drugs	2.00	
S. E. Studley, drugs	1.30	
John G. Lesure, drugs	15.00	
Francis E. Brown, drugs	6.00	
<i>Amounts carried forward</i> . . .	\$39,662.94	\$51,592.11

<i>Amounts brought forward</i>	\$44,965.07	\$51,592.11
Acme Odorless Disinfectant & Deodorizing Co., disinfectant	1.20	
India Alkali Works, savogram	3.00	
T. Spellman, soap	42.00	
Ford & Dennen, soap	3.00	
E. & F. King & Co., soda	32.00	
West & Jenney, soda	11.20	
George E. Downes, salt	3.00	
William P. Sawyer, oil	13.22	
James Bartley, oil	15.24	
W. H. Bullard, oil	23.97	
H. W. Burgess, oil	13.51	
A. F. Carpenter, oil	1.05	
C. M. Kimball, polish	1.75	
A. J. Wilkinson & Co., sash rolls	4.00	
Hall Manufacturing Co., axe handles	9.00	
Frank E. Fitts Manufacturing & Supply Co., ash cans	41.80	
George G. Page Box Co., fuel boxes	12.00	
T. A. Rolfe, packing cases . . . . .	.60	
J. F. Stevenson, carboy rockers	9.00	
S. D. Hicks & Son, brake shoes	19.58	
Union Glass Co., tubing	1.40	
Chelmsford Iron Foundry Co., rod	12.00	
Gibbs & Nelson, lighter	10.00	
Somerville Iron Foundry, cast- ings	16.25	
Leander Barber, brooms	19.00	
Charles A. Austin, brushes	5.33	
H. M. Sawyer & Son, bags	3.00	
J. E. Phipps, axle grease	4.20	
J. H. Brooks, dry goods . . . . .	.54	
Jordan, Marsh & Co., dry goods	7.80	
<i>Amounts carried forward</i>	\$51,017.59	\$51,592.11

<i>Amounts brought forward</i> . . .	\$40,002.58	\$51,592.11
Wilfred Young, repairs of oil cans . . .	1.50	
William Campbell & Co., boiler . . .	125.00	
William A. Folsom & Co., heating apparatus	42.78	
Smith & Anthony Co., furnace work	13.15	
H. W. Johns Manufacturing Co., asbestos covering	100.00	
John L. Crafts, canvas cover	5.25	
S. F. Hayward & Co., chemical charges	12.00	
John C. Gold, climbers	6.25	
F. D. Weld, ladders	156.50	
Davidson Rubber Co., gloves	9.00	
Braman, Dow & Co., packing	4.47	
Jackson Caldwell & Co., furniture	90.06	
A. W. Mitchell & Co., badges	50.81	
George W. Simmons & Co., insignia	39.00	
H. A. Winship, fire hats	78.50	
Blake Bell Co., bell	444.00	
John H. Graham & Co., gong	20.00	
G. F. & S. E. Sturtevant, horses	625.35	
Welch & Hall, horses	275.00	
Charles A. Mongan, use of horse	11.00	
R. M. Sturtevant, use of horse	11.00	
Elms Farm Boarding Co., boarding horse	36.86	
Charles Waugh, wagon	175.00	
William T. Henderson, wagon	160.00	
Powers & Co., grain	703.13	
G. W. Ladd Co., grain	684.86	
Leavitt, Sanborn & Co., hay	687.74	
Proctor Brothers, hay	378.20	
E. B. Vreeland, straw	4.36	
J. A. Marsh, straw	11.72	
<i>Amounts carried forward</i> . . .	<u>\$44,965.07</u>	<u>\$51,592.11</u>

<i>Amounts brought forward</i>	\$44,965.07	\$51,592.11
George W. Barnaby, oats	1.00	
Royal Harness Oil Co., burnish- ing	4.25	
T. F. McGann, repairs of pole	10.00	
George F. Willis, extinguishers	21.00	
Highland Coal Co., pipe	1.13	
William B. Holmes, pipe	13.20	
Horatio Wellington & Co., fuel	674.09	
B. F. Wild & Co., fuel	229.73	
Somerville Journal Co., printing	51.20	
Thomas Groom & Co., books	67.30	
W. A. Greenough & Co., direc- tory	2.00	
Charles F. Putnam, repairs of clocks	14.00	
Cambridge Gas Light Co., gas	713.27	
Charlestown Gas & Electric Co., gas	164.36	
Somerville Electric Light Co., lighting	57.56	
City of Boston, water for hydrants	3,220.00	
City of Boston, water for stations	205.40	
New England Telephone and Telegraph Company, rentals and tolls	240.83	
Mrs. Calvert, washing	125.52	
I. C. Jackson, washing	24.50	
Mrs. Walter Loveland, washing	33.60	
Samuel H. Stevens, washing	42.30	
Mrs. H. Spike, washing	26.38	
Mary Trefren, washing	38.00	
S. J. Wood, keys	8.00	
E. J. Jones, labor	19.40	
L. W. Manning, car fares	2.00	
Thomas Allen, concreting	2.50	
Richard Falvey, grading	40.00	
<i>Amounts carried forward</i>	\$51,017.59	\$51,592.11

<i>Amounts brought forward</i>	\$51,017.59	\$51,592.11
Howard Lowell & Son, carriage hire	17.75	
Eugene Mead, carriage hire	12.00	
J. H. Thompson, carriage hire	18.00	
T. F. Casey, carriage hire	2.25	
Electric Gas Lighting Co., tapes	22.71	
Charles R. Simpson, veterinary services	109.25	
H. D. & W. S. Durgin, ice	48.00	
Boston Ice Co., ice	6.00	
Winter Hill Ice Co., ice	7.20	
A. M. Prescott, teaming	68.50	
Charles E. Farnham, expressing	21.35	
George T. Day, expressing	48.36	
Gilman's Express, expressing	2.10	
A. G. Renner, expressing . . . . .	.65	
Glines & Co., expressing	1.85	
John M. Robinson, expressing	2.00	
E. R. Perham, expressing	8.90	
M. G. Staples, expressing	1.50	
R. A. R. Benson, expressing	2.00	
Thorpe's Express, expressing	1.40	
Cole's Express, expressing	1.00	
F. J. Hamblin, premium of insurance	159.00	
Charles S. Robertson, premium of insurance	12.75	
	<hr/>	<hr/>
		\$51,592.11

FIRE DEPARTMENT, CENTRAL FIRE STATION, BRAS-
TOW SCHOOL LOT.

CREDIT.

Balance from 1894	\$3,713.57
Appropriation, Funded Debt account	5,700.00
	<hr/>
<i>Amount carried forward</i>	\$9,413.57

Amount brought forward \$9,413.57

DEBIT.

Cash, paid George M. Starbird, on account of contract	\$4,875.00	
George M. Starbird, extras	1,722.04	
Smith & Anthony Co., heating apparatus	1,147.82	
Boston Electric Co., wiring	361.01	
Charles E. Berry, springs and fittings	225.00	
A. S. Jackson, door springs	173.00	
Charles L. Underhill, drilling	9.25	
Cambridge Gas Light Co., piping	10.89	
Howe & Flint, labor on bell deck	68.13	
Aaron H. Gould, architect	476.73	
	<hr/>	
	\$9,068.87	
Excess and Deficiency, balance to credit of account	344.70	
	<hr/>	
		<u>\$9,413.57</u>

FIRE DEPARTMENT, CENTRAL FIRE STATION, ELECTRICAL APPARATUS AND FURNITURE.

CREDIT.

Balance from 1894 \$3,143.68

DEBIT.

Cash, paid Jackson Caldwell & Co., furniture	\$ 788.10	
New England Gamewell Co., repeater	1,500.00	
New England Gamewell Co., battery jars, etc.	620.25	
	<hr/>	
<i>Amounts carried forward</i>	\$2,908.35	<hr/>
		\$3,143.68

<i>Amounts brought forward</i> . . .	\$2,908.35	\$3,143.68
C. H. McKenney & Co., gas fixtures	185.58	
Combination Ladder Co., landing pad	10.00	
F. C. Ayer, lumber	8.64	
Somerville Iron Foundry, castings	29.70	
	<hr/>	
	\$3,142.27	
Excess and Deficiency, balance to credit of account . . .	1.41	
	<hr/>	
		<u>\$3,143.68</u>

FIRE DEPARTMENT, CENTRAL FIRE STATION, CHEMICAL ENGINE AND EQUIPMENT.

CREDIT.

Balance from 1894	\$501.47
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DEBIT.

Excess and Deficiency, balance to credit of account	<u>\$501.47</u>
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FIRE DEPARTMENT, HOOK AND LADDER STATION, HIGHLAND AVENUE.

CREDIT.

Balance from 1894	\$ 767.52
Appropriation, Funded Debt account	1,100.00
	<hr/>
	\$1,867.52

DEBIT.

Cash, paid George M. Starbird, on account of contract . . .	\$1,741.96	
George M. Starbird, extras . . .	60.27	
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	\$1,802.23	
Excess and Deficiency, balance to credit of account . . .	65.29	
	<hr/>	
		<u>\$1,867.52</u>

FIRE DEPARTMENT, HOOK AND LADDER STATION,
HIGHLAND AVENUE, EQUIPMENT AND FUR-
NITURE.

CREDIT.

Balance from 1894	\$31.00
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DEBIT.

Excess and Deficiency, balance to credit of account	<u>\$31.00</u>
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FIRE DEPARTMENT, FIRE STATION, WARD ONE.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$17,700.00
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DEBIT.

Cash, paid Frank Jones and George H. Goodwin, exchange of land	\$ 500.00	
Lord Brothers, on account of contract	7,000.00	
T. M. Sargent, architect	493.62	
Charles A. Mongan, constructing sewer	384.05	
David Lewis, drain pipe	95.73	
Sundry persons on laborers' pay roll	18.38	
	<u>\$8,491.78</u>	
Balance to credit in account 1896	9,208.22	<u>\$17,700.00</u>

FUNDED DEBT.

CREDIT.

Balance from 1894		\$1,344,500.00
Cash, received from sale of City Loan Bonds, Nos. 1,734 to 2,057	\$324,000.00	
Sewer Loan Bonds, Nos. 74 to 173	100,000.00	
	<hr/>	\$ 424,000.00
		<hr/>
		\$1,768,500.00

DEBIT.

Cash, paid Sundry Persons :

City Loan Bonds, Nos. 1,244 to 1,253	\$ 10,000.00	
City Loan Bonds, Nos. 1,582 to 1,592	11,000.00	
City Loan Bonds, Nos. 190 to 194	25,000.00	
City Loan Bonds, Nos. 195 to 334	140,000.00	
City Loan Bonds, Nos. 939 to 943	5,000.00	
City Loan Bonds, Nos. 1,043 to 1,052	10,000.00	
City Loan Bonds, Nos. 1,119 to 1,122	4,000.00	
City Loan Bonds, Nos. 1,168 to 1,174	7,000.00	
City Loan Bonds, Nos. 1,349 to 1,372	24,000.00	
Sewer Loan Bonds, No. 54	1,000.00	
Sewer Loan Bonds, No. 37	1,000.00	
Water Loan Bonds, No. 284	1,000.00	
Water Loan Bonds, Nos. 112 to 124	13,000.00	
	<hr/>	
<i>Amounts carried forward</i>	\$252,000.00	\$1,768,500.00

<i>Amounts brought forward</i>	\$252,000.00	\$1,768,500.00
Water Loan Bonds, Nos. 318 to 320	3,000.00	
Water Loan Bonds, Nos. 401 to 402	2,000.00	
City Loan Paving Bonds, Nos. 11 to 15	5,000.00	
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	\$ 262,000.00	
Balance to credit in account 1895	1,506,500.00	
	<hr/>	\$1,768,500.00

HEALTH DEPARTMENT.

CREDIT.

Appropriations, amount assessed		\$21,000.00
Cash, received of W. P. Mitchell, permits to keep swine and goats, and collect grease	\$212.00	
Commonwealth of Massachusetts, contagious cases	408.70	
H. S. Pond, garbage	800.00	
Sundry Persons, ashes	49.10	
Horatio Wellington & Co., discount on bill	4.56	
Charles Fuller, error in pay roll	4.00	
Patrick Gray, error in pay roll	2.00	
Highways account, harnesses	160.00	
	<hr/>	\$1,640.36
Excess and Deficiency, balance to debit of account		6,187.71
		<hr/>
		\$28,828.07

DEBIT.

Cash, paid laborers	\$16,098.00	
Caleb A. Page, salary as Inspector	1,200.00	
Disbursements	29.65	
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<i>Amounts carried forward</i>	\$17,327.65	\$28,828.07

<i>Amounts brought forward</i>	\$17,327.65	\$28,828.07
Robert Duddy, salary as Superintendent	700.00	
George W. S. Huse, salary as Superintendent	225.00	
E. Teel & Co., wagons and carts	1,288.50	
Amesbury Carriage Co., wagon	90.00	
J. L. & H. K. Potter, sleds	325.00	
J. W. Farnham, pungs	225.00	
Henderson Bros., sleigh	40.00	
Henry Gray, horses, carts, etc.	788.00	
G. F. & S. E. Sturtevant, horses	1,675.00	
G. F. & S. E. Sturtevant, hay and grain	1,696.46	
Welch & Hall, horses	265.00	
Hill & Hill, harnesses, etc.	920.77	
G. W. Ladd Co., hay and grain	103.87	
R. W. Willey & Co., hay and grain	306.41	
Proctor Brothers, hay and grain	524.57	
R. C. McNabb & Son, hay and grain	7.62	
Ira L. Roberts, horseshoeing	56.51	
Lawrence Barrett, horseshoeing	23.13	
Seward Dodge, horseshoeing	13.15	
Edward O'Brien, horseshoeing	215.27	
Cadogan Brothers, horseshoeing	28.75	
McDormand & Barrett, horseshoeing	4.75	
W. H. Richardson, horseshoeing	.25	
Charles L. Underhill, blacksmithing	251.30	
L. A. Wright, blacksmithing	28.50	
F. Dooris, blacksmithing	1.70	
Whitney & Snow, hardware	47.37	
F. C. Fuller & Co., hardware	12.61	
W. I. Heald, hardware	3.43	
<i>Amounts carried forward</i>	\$27,205.57	\$28,828.07

<i>Amounts brought forward</i> . . .	\$27,205.57	\$28,828.07
J. A. Durell, repairs of boiler . . .	44.27	
James F. Davlin, plumbing . . .	43.54	
Wm. B. Holmes, plumbing . . .	19.24	
A. H. Hopkins, furniture . . .	23.75	
J. H. Brooks, dry goods . . .	3.93	
George J. Russell, groceries . . .	5.50	
F. C. Ayer, lumber	4.32	
Quimby & Robertson, carpentering	34.24	
Orren H. Webber, carpentering . . .	8.75	
Frank A. Fuller & Co., carpentering	193.87	
D. J. Bennett, harness work . . .	82.80	
Bertram's Oil Polish Co., polish . . .	3.00	
Swans Down Axle Grease Co., grease	5.50	
George H. Cowdin, peppermint . . .	7.25	
Milton H. Plummer, peppermint . . .	5.62	
West & Jenney, sulphur	12.04	
Sulpho Naphthol Co., sulphur . . .	75.00	
New England Vaccine Co., virus . . .	22.65	
Jamaica Plain Lock & Electric Co., wiring stable	56.82	
Citizen Publishing Co., printing . . .	19.50	
Somerville Journal Co., printing . . .	65.55	
Thomas Groom & Co., stationery . . .	87.90	
Heliotype Printing Co., maps . . .	34.00	
M. F. Davis, hitching post	4.75	
Highland Coal Co., lime	1.00	
Horatio Wellington & Co., fuel . . .	23.65	
John Fisher, pails	18.00	
L. B. Angier, bulbs	2.50	
John Ducey, rent of stable	5.00	
Peter L. Leroux, rent of stable . . .	10.00	
New England Telephone & Telegraph Company, rentals and tolls	18.98	
<i>Amounts carried forward</i> . . .	\$28,148.49	\$28,828.07

<i>Amounts brought forward</i> . . .	\$28,148.49	\$ 28,828.07
Somerville Electric Light Co., lighting	32.26	
City of Boston, water . . .	39.20	
J. H. Thompson, carriage hire .	18.00	
George W. Prichard, teaming .	8.40	
A. M. Prescott, teaming . . .	7.00	
A. Maloney, teaming	1.00	
Martin Gill, collecting offal .	97.11	
Samuel Percy, labor	1.25	
George Smith, labor	1.00	
J. W. Coveney, rent of P. O. box	3.00	
J. W. Downes, veterinary services	112.39	
W. H. Way, veterinary services .	34.50	
Charles R. Simpson, veterinary services	2.50	
E. R. Perham, expressing . . .	3.70	
M. G. Staples, expressing . . .	7.00	
George T. Day, expressing . . .	.25	
Charles E. Farnham, expressing	.65	
Glines Express, expressing . .	.45	
Thorpe's Express, expressing . .	.15	
M..L. Perry, nursing	21.43	
J. Alexander, compensation for damages	3.00	
Edward A. Binney, premium of insurance	122.00	
Sundry persons, burying animals	99.50	
Highways account, labor and teaming	33.00	
Sewers Construction account, materials	30.84	
	<hr/>	<u>\$28,828.07</u>

HIGHWAYS.

CREDIT.

Appropriations, amount assessed		\$60,000.00
Cash received of Emma O. Hill, side- walk	\$ 46.40	
Boston & Maine Railroad, side- walk	198.43	
Mary A. Scott, sidewalk	26.08	
Ann Fitzpatrick, sidewalk	15.47	
Wm. A. Flaherty, sidewalk	49.28	
Mary A. O'Donnell, sidewalk	30.03	
James O'Donnell, sidewalk	15.92	
Delia Hopkins, sidewalk	51.70	
Arabella H. Lewis, sidewalk	46.49	
Nellie F. Taylor, sidewalk	46.26	
Lucretia G. Waters, sidewalk	44.95	
Rufus Stillings, sidewalk	34.40	
Fred E. Morrison, sidewalk	40.56	
Thomas Murphy, sidewalk	33.75	
Wilburt D. Farnham, Jr., side- walk	110.93	
Levi Trochu, sidewalk	20.80	
J. H. & C. R. Smith, sidewalk	144.00	
Estate of Henry R. Glover, side- walk	1,105.07	
J. S. & O. C. Sanborn, sidewalk	345.06	
James A. Lea, sidewalk	167.98	
First Congregational Society, sidewalk	72.00	
Levi P. Wyman, sidewalk	178.25	
Augusta F. Vinal, sidewalk	60.00	
Mary L. Vinal, sidewalk	24.00	
Estate of Wm. H. Thompson, sidewalk	24.00	
Jennie E. Davis, sidewalk	29.12	
<i>Amounts carried forward</i>	<u>\$2,960.93</u>	<u>\$60,000.00</u>

<i>Amounts brought forward</i> . .	\$2,960.93	\$60,000.00
Lucius Slade, sidewalk . .	26.40	
Ella F. Perry, sidewalk . .	35.25	
James G. Morrison, sidewalk . .	44.00	
John E. Bryant, sidewalk . .	15.80	
F. L. Greeley, sidewalk . .	22.00	
Peter J. Smith, sidewalk . .	125.66	
Samuel H. Wilkins, sidewalk . .	63.38	
Florence E. Holmes, sidewalk . .	64.52	
O. H. Fuller, sidewalk . .	49.84	
H. W. P. Colson, sidewalk . .	165.82	
Fanny I. Bradshaw, sidewalk . .	433.35	
Hiram A. Clarrey, driveway . .	6.00	
James P. Haddie, driveway . .	6.00	
Seth Mason, driveway . .	9.85	
William H. Brine, driveway . .	6.75	
Henry H. Jones, driveway . .	8.60	
Amos L. Proctor, driveway . .	25.75	
Frank L. Lambert, driveway . .	11.70	
David W. Crocker, driveway . .	7.25	
George E. Hutchinson, driveway . .	17.30	
Lavinia Davey, driveway . .	4.00	
H. H. Leavitt, driveway . .	6.00	
B. F. Smith & Bro., driveway . .	31.40	
L. C. Stevens, driveway . .	29.38	
Otis F. M. Haskell, driveway . .	18.25	
Abel Fitch, driveway . .	3.00	
Levi L. Tower, driveway . .	8.25	
L. F. Thayer, driveway . .	9.75	
John F. Cole, bricks . .	2.29	
F. G. Coburn & Co., stone . .	181.56	
Somerville Electric Light Co., labor	8.15	
New England Telephone & Tele- graph Co., labor	34.50	
Cambridge Gas Light Co., labor . .	8.15	
Charles E. Parks, labor . .	100.00	
<i>Amounts carried forward</i> . .	<u>\$4,550.83</u>	<u>\$60,000.00</u>

<i>Amounts brought forward</i> . . .	\$4,550.83	\$60,000.00
Fitchburg Railroad Co., removing trees	10.25	
T. F. Crimmings, use of roller	37.50	
Doct. Herrick, horse	25.00	
F. H. Blodgett, horse	50.00	
Thomas Ormand, rent	72.00	
Arthur Murley, rent	64.00	
Sidewalks account, teaming, etc.	1,800.09	
Sewers Maintenance account, teaming, etc.	80.69	
Public Grounds account, labor, etc.	38.00	
Schoolhouse in Ward Four, labor, etc.	836.25	
Health Department, labor, etc.	33.00	
Wilbur P. Rice, discount from bill	2.52	\$7,600.13
		<hr/>
		\$67,600.13

DEBIT.

Cash, paid laborers' pay rolls	\$37,642.31	
Thomas H. Eames, salary as Superintendent	1,600.00	
Thomas H. Eames, board of horses	417.17	
Seward Dodge, horseshoeing, etc.	638.09	
Edward O'Brien, horseshoeing	405.66	
A. Clement, horseshoeing	172.29	
George McDormand, horseshoeing	1.50	
E. E. Olney & Co., horseshoeing	5.50	
F. Dooris, blacksmithing	181.58	
L. A. Wright, blacksmithing	99.40	
Charles L. Underhill, blacksmithing	17.55	
		<hr/>
<i>Amounts carried forward</i>	\$41,181.05	\$67,600.13

<i>Amounts brought forward</i> . . .	\$41,181.05	\$67,600.13
Robert H. Simpson, blacksmithing	10.20	
I. B. Walker, wheelwright	11.75	
David W. Crocker, wheelwright	110.80	
J. E. Herrick, wheelwright	21.32	
C. Caseau, wheelwright	20.10	
Miller & Shaw, repairs of roller	236.72	
Osgood & Hart, repairs of roller	104.72	
W. R. Fleming & Co., repairs of roller	30.64	
H. G. Collins, repairs of roller	22.79	
S. C. Nightingale & Childs, crusher and repairs	1,038.95	
Frank W. Leavitt, wheels	18.00	
Taylor Iron & Steel Co., steel jaw	123.30	
Edson Manufacturing Co., broom and flanges	36.00	
Whitney & Snow, tools	271.33	
Perrin, Seaman & Co., tools	128.07	
Fred C. Gifford, tools	32.65	
James McCusker, tools	20.65	
W. A. Easter, repairs of tools	128.75	
John M. Woods & Co., lumber	95.28	
Alley & Littlefield, lumber	75.17	
Wilbur P. Rice, lumber	72.22	
George W. Gale Lumber Co., lumber	17.07	
I. H. Brown Moulding Co., lumber . . . . .	.60	
Fred C. Ayer, lumber	4.32	
J. F. Burton, painting	24.75	
G. R. Gray, painting	10.00	
James F. Davlin, plumbing	12.80	
W. L. Snow, plumbing . . . . .	.60	
W. I. Heald, hardware	236.76	
<i>Amounts carried forward</i> . . .	\$44,097.36	\$67,600.13

<i>Amounts brought forward</i> . . .	\$44,097.36	\$67,600.13
F. C. Fuller & Co., hardware . . .	2.45	
Howe & Flint, hardware . . .	42.26	
Braman, Dow & Co., steam fittings . . .	9.90	
Jackson Caldwell & Co., stove, office furniture, etc.	122.75	
Dodge, Haley & Co., bolts, etc. . . .	49.22	
Ingersoll-Sargent Rock Drill Co., tools	7.56	
Boston Belting Co., hose	132.78	
Boston Woven Hose & Rubber Co., hose	28.50	
Ames Plow Co., plows	50.42	
Abbot-Downing Co., street broom . . .	41.00	
American Glue Co., indurine	65.80	
David W. Lewis, grate	12.00	
William Campbell & Co., plate	1.00	
Star Brass Mfg. Co., brake	22.90	
George D. Goodrich, drain pipe	6.90	
Highland Coal Co., cement	8.50	
George H. Sampson, powder	225.79	
Hecla Powder Co., powder	16.08	
Ford & Dennen, soap	5.00	
Underhay Oil Co., grease	7.00	
Holmes & Blanchard Co., grease	50.00	
Harrington & Bradbury, oil	53.40	
Silver Light Oil Co., oil	42.85	
P. Sutherland & Co., oil	24.90	
American Oil Co., oil	22.04	
Waite, Williams & Co., oil	15.75	
Merrill & Dailey, electric work	2.00	
Jamaica Plain Lock & Electric Co., electric work	23.36	
D. J. Bennett, harness work	441.67	
E. Spalding, harness work	157.20	
Archibald Buchanan, harness work	8.05	
<i>Amounts carried forward</i> . . .	<hr/> \$45,796.39	<hr/> \$67,600.13

<i>Amounts brought forward</i> . . .	\$45,796.39	\$67,600.13
Hill & Hill, harnesses, etc. . .	147.71	
W. H. Bustin & Son, harnesses, etc.	36.00	
Welch & Hall, horses . . .	470.00	
R. M. Sturtevant, horses, etc. . .	715.00	
Edgar Snow, horses	250.00	
O. A. Kelley & Co., horses . . .	227.00	
R. W. Willey & Co., hay and grain	390.76	
G. F. & S. E. Sturtevant, hay and grain	1,445.32	
G. W. Ladd Co., hay and grain . .	3,082.30	
Leavitt, Sanborn & Co., hay and grain	179.78	
Proctor Brothers, hay and grain . .	211.86	
Scott & Bridges, straw	55.20	
E. L. Grant, jigger	175.00	
M. H. Simpson, sand	681.50	
A. C. Spring, sand	219.50	
T. C. Connor, sand	247.00	
Sweatt & Gould, edgestones . . .	2,791.27	
George M. Starbird, edgestones . .	38.13	
W. A. Sanborn, bricks	1,187.70	
N. M. Cofran & Co., bricks	1,309.90	
Parry Brothers & Co., bricks . . .	104.50	
Dennis Shea, round stone	2,214.40	
Christopher Burke, field stone . .	419.15	
William J. McCarthy, stone	341.60	
Jeremiah Buttimer, stone	67.16	
C. T. Shean, stone	110.68	
Thomas Walsh, stone	49.07	
Dennis Ryan, stone	37.39	
Soule, Dillingham & Co., stone . .	35.25	
John E. A. Mulliken, stone	18.38	
C. A. Russell, stone	50.36	
West End Street Railway Co., stone	294.52	
<i>Amounts carried forward</i> . . .	\$63,399.78	\$67,600.13

<i>Amounts brought forward</i> . . .	\$63,399.78	\$67,600.13
Massachusetts Broken Stone Co., broken stone	274.37	
N. E. Fitz & Co., wharfage . . .	138.40	
Horatio Wellington & Co., fuel . .	549.96	
Baker-Hunnewell Co., fuel . . .	240.55	
Charles Booth, fuel	36.75	
Frank N. Teele, fuel	11.40	
George Tyler & Co., road ma- chine	244.50	
Thomas W. Lingley, moving tree . .	150.00	
Thomas Groom & Co., books, etc.	38.75	
Somerville Journal Co., printing . .	81.00	
Citizen Publishing Co., printing . .	64.75	
Charles B. Stevens, recording . . .	2.29	
F. C. Stearns, street signs	30.60	
Lombard & Bowman, ginger	3.25	
Frank W. Bickford, filing saws . . .	15.05	
S. J. Wood, filing saws	10.75	
S. E. Tinkham, plans of bridge . . .	15.00	
Henry Manley, examination of Wellington bridge	13.05	
City of Medford, one half cost of maintaining Middlesex avenue bridge	513.64	
City of Boston, water	236.20	
Somerville Electric Light Co., lighting	143.20	
New England Telephone & Tele- graph Co., rental and tolls . . .	77.85	
City of Waltham, tax	154.50	
Town of Wakefield, tax	92.76	
S. Z. Bowman, Wakefield taxes . . .	71.82	
George F. McKenna, teaming	5.00	
Charles Maguire, Jr., clipping horses	6.00	
<i>Amounts carried forward</i> . . .	\$66,621.17	\$67,600.13

<i>Amounts brought forward</i> .	\$66,621.17	\$67,600.13
W. H. Way, veterinary services	142.00	
William Buckley, veterinary services	13.00	
F. J. Hamblin, premium of insurance	50.00	
Gilman's Express, expressing .	15.17	
E. R. Perham, expressing .	4.25	
Charles E. Farnham, expressing	.30	
Health Department, harnesses .	160.00	
Sewers Construction account, edgestones	4.19	
Sidewalks Account, edgestones .	13.58	
Excess and Deficiency, balance to credit of account . . .	576.47	
	<hr/>	<hr/>
		\$67,600.13

HIGHWAYS, CITY STABLE.

CREDIT.

Balance from 1894	\$4,148.12
Appropriations, amount appropriated by borrowing on Funded Debt account -	6,000.00
	<hr/>
	\$10,148.12

DEBIT.

Cash, paid Lord Brothers on account of contract	\$9,180.48
Aaron H. Gould, architect . . .	348.64
	<hr/>
	\$9,529.12
Excess and Deficiency, balance to credit of account	619.00
	<hr/>
	<hr/>
	\$10,148.12

HIGHWAYS, PAVING MEDFORD STREET, SOMERVILLE AVENUE TO CAMBRIDGE LINE.

CREDIT.

Appropriations, amount appropriated by borrowing		
on Funded Debt account		\$27,400.00
Cash, received of John P. Squire & Co., paving	\$30.71	
North Packing & Provision Co., paving	77.82	
	<hr/>	\$108.53
		<hr/>
		\$27,508.53

DEBIT.

Cash, paid laborers' pay rolls	\$ 406.88	
Pigeon Hill Granite Co., paving blocks	4,052.10	
William H. Gove & Co., on account of contract	5,486.10	
Sweatt & Gould, edgestones	467.00	
D. Warren De Rosay, bricks	19.60	
Citizen Publishing Co., printing	7.90	
E. D. Sawyer & Co., lumber	5.54	
Whitney & Snow, wheelbarrows	14.00	
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Highways, paving Washington street, Joy to Tufts street, amount transferred	\$10,459.12	
	3,800.00	
	<hr/>	
	\$14,259.12	
Balance to be expended in 1896	13,249.41	
	<hr/>	
		\$27,508.53

HIGHWAYS, PAVING WASHINGTON STREET, JOY TO TUFTS STREET.

CREDIT.

Highways, paving Medford street, Somerville avenue to Cambridge line, amount transferred	\$3,800.00
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DEBIT.

Balance to credit in account 1896	\$3,800.00
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INDIGENT SOLDIERS AND SAILORS.

CREDIT.

Appropriations, amount assessed	\$300.00
State of Massachusetts, Indigent Soldiers and Sail- ors	324.00
Excess and Deficiency, balance to debit of account	24.00
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	\$648.00

DEBIT.

Cash, paid Sundry Persons as per pay rolls	<u>\$648.00</u>
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INTEREST.

CREDIT.

Appropriations, amount assessed	\$70,000.00
Cash, received of Blake Brothers & Co., premium and interest on bonds	\$16,996.50
Sundry Persons, on taxes and assessments	8,707.72
Interest on deposits in banks	2,214.57
Real Estate Liens, interest on taxes on property sold to the city	181.88
	<hr/>
	\$28,100.67
	<hr/>
	\$98,100.67

DEBIT.

Cash, paid on Funded Debt:—

\$544,000, one year at 4 per cent.	\$21,760.00
\$412,000, six months at 4 per cent.	8,240.00
\$250,000, one year at $4\frac{1}{2}$ per cent.	11,250.00
\$35,000, one year at 5 per cent.	1,750.00
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<i>Amounts carried forward</i>	<u>\$43,000.00</u>
	<hr/>
	\$98,100.67

<i>Amounts brought forward</i> . . .	\$43,000.00	\$98,100.67
\$165,000, six months at 5 per cent.	4,125.00	
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	\$47,125.00	
Less coupons unpaid	840.00	
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	\$46,285.00	
Sundry Persons, unpaid coupons	840.00	
	<hr/>	
	\$47,125.00	

On Temporary Loans : —

F. S. Moseley & Co., on note of \$50,000, nine months, discounted at $3\frac{1}{2}$ per cent. . .	\$1,312.50	
R. L. Day & Co., on notes of \$50,000, seven months, discounted at 3.90 per cent. .	1,137.50	
Brewster, Cobb & Estabrook, on notes of \$100,000, thirty-three days, discounted at 2 per cent.	183.33	
F. S. Moseley & Co., on notes of \$175,000, six months at 3.9 per cent.	3,412.50	
Boston Five Cents Savings Bank, on note of \$200,000, nine months' interest at $3\frac{1}{2}$ per cent.	5,250.00	
First Congregational Society, balance of interest due on note of \$33,000, payable on demand, interest at 4 per cent.	1,761.78	
	<hr/>	
	\$13,057.61	
<i>Amount carried forward</i>		\$98,100.67

<i>Amount brought forward</i>	.	.	.	.	\$98,100.67
On Funded Debt	.	.	.	\$47,125.00	
On Temporary Loans	.	.	.	13,057.61	
				<hr/>	
				\$60,182.61	
Excess and Deficiency, balance					
to credit of account	.	.	.	37,918.06	
				<hr/>	
					<u>\$98,100.67</u>

MISCELLANEOUS.

CREDIT.

Appropriations, amount assessed	.	.	.	.	\$6,000.00
Cash, received of Sundry Persons costs					
on taxes and assessments	.	.	.	\$3,194.60	
Thomas Cunningham, milk in-					
spector's fees	.	.	.	145.00	
Thomas R. Roulstone, plumbers'					
licenses	.	.	.	14.50	
Ammiel Colman, fees for sealing					
weights and measures	.	.	.	207.85	
Fulton O'Brion, public weigher's					
fees	.	.	.	11.41	

George I. Vincent, city clerk :—

Recording mortgages	\$507.00		
Marriage certificates	289.50		
Licensing dogs	255.20		
Amusements	100.00		
Junk licenses	58.00		
Auctioneers' licenses	38.00		
Intelligence offices	20.00		
Street musicians	28.00		
Billiards, pool, etc.	32.00		
Fireworks	73.00		
Detective's license	10.00		
	<hr/>	<hr/>	<hr/>
<i>Amounts carried forward</i>	\$1,410.70	\$3,573.36	\$6,000.00

<i>Amounts brought forward</i>	\$1,410.70	\$3,573.36	\$6,000.00
Slaughtering licenses	4.00		
Naturalization fees	2.00		
Copies of records	31.50		
	<hr/>	\$1,448.20	
Sundry Persons, licenses to peddle		75.00	
William H. Gore & Co., amount of judgment in suit for damages		255.93	
North Packing & Provision Co., sealing weights		11.77	
Fitchburg railroad, sealing weights		1.00	
New England Telephone & Telegraph Company, rebate		13.36	
Howe & Flint, rebate		17.92	
Real Estate Liens, costs on property deeded to the city		84.50	
		<hr/>	\$5,481.04
Excess and Deficiency, balance to debit of account			7,014.00
			<hr/>
			\$18,495.04

DEBIT.

Cash, paid Frank A. Fuller & Co., carpentering	\$561.92		
G. F. Matthews, carpentering	38.00		
I. H. Brown Moulding Co., lumber	34.27		
S. W. Fuller, lumber	20.16		
Whitney & Snow, hardware	130.66		
Howe & Flint, hardware	45.55		
J. A. Durell, hardware	2.51		
W. E. Plumer & Co., hardware	6.22		
F. C. Fuller & Co., hardware	1.74		
	<hr/>		
<i>Amounts carried forward</i>	\$841.03		\$18,495.04

<i>Amounts brought forward</i>	\$841.03	\$18,495.04
J. Q. Twombly, painting	16.00	
G. A. Walker, painting	24.25	
James F. Davlin, plumbing	8.51	
W. L. Snow, plumbing	183.88	
P. J. Fitzpatrick, repairs of furniture	2.25	
H. A. Chick, repairs of furniture	9.50	
Wm. E. Murphy, repairs of furniture	1.00	
F. J. Stanley, horse keeping	742.50	
Seward Dodge, horseshoeing	20.50	
Lawrence Barrett, horseshoeing	11.75	
McDormand & Barrett, horseshoeing	1.50	
Cadogan Bros., horseshoeing	.75	
H. A. Brownell, harness work	14.00	
E. Spalding, harness work	1.60	
Charles L. Underhill, blacksmithing	5.85	
Richard Tyner & Co., repairs of buggy	9.35	
Union Square Carriage Co., repairs of buggy	32.10	
Ingalls & Kendrick, repairs of boiler	10.40	
G. M. Fortin, glass	3.25	
C. D. Densmore & Co., doors	15.00	
P. Derby & Co., furniture	36.00	
Somerville Desk Co., desks	75.00	
Derby, Kilmer & Pond Desk Co., desks	53.00	
Wemyss Bros. & Co., bookcase	60.00	
C. H. Dyer, bookcase	5.00	
The Smith Desk Co., chairs	15.00	
<i>Amounts carried forward</i>	<u>\$2,198.97</u>	<u>\$18,495.04</u>

<i>Amounts brought forward</i> . . .	\$2,198.97	\$18,495.04
John H. Pray, Sons & Co., carpets	85.49	
Jackson Caldwell & Co., carpets	21.90	
Williams Table & Lumber Co., repairs of table	10.00	
H. A. Pestell, shades	5.20	
Moulton C. Libby, clock	9.00	
Fred W. Farrar, repairs of clock	2.50	
George H. Walker & Co., maps	27.00	
Robert Burlen, binding plans . .	27.00	
W. A. Greenough, directory . . .	3.00	
Citizen Publishing Co., printing	29.75	
Somerville Journal Co., printing	8.25	
J. A. Cummings Printing Co., printing	25.00	
George B. Sargent & Co., stamps	4.59	
Thomas Groom & Co., stationery	.15	
Merrill & Dailey, electric works	33.13	
Pettingell-Andrews Co., electrical supplies	9.75	
Frost & Adams, engineers' sup- plies	108.95	
S. Thaxter & Son, leveling rod . .	28.00	
F. E. Whitney, plumb bobs, etc.	9.50	
George O. W. Servis, plumb bob	1.75	
John P. Lovell Arms Co., line . .	.75	
Thomas Kieran, marking pins . .	3.60	
S. F. McGrath, towels	3.00	
J. H. Brooks, dry goods	2.99	
A. B. Campbell, ink stops	3.40	
Jarvis Engineering Co., grate . .	59.75	
Acme Odorless Disinfectant & Deodorizing Co., disinfectant	1.10	
Union Glass Co., shades	3.90	
A. W. Mitchell Manufacturing Co., badge	1.25	
<i>Amounts carried forward</i> . . .	<u>\$2,728.62</u>	<u>\$18,495.04</u>

<i>Amounts brought forward</i> . . .	\$2,728.62	\$18,495.04
F. D. Weld, ladder . . .	3.50	
M. A. Mann, laundering . . .	24.00	
Jairus Mann, watching . . .	85.00	
Witness fees	19.40	
S. J. Wood, keys	13.45	
C. M. Blake, newspapers . . .	6.00	
Byron Boyde, abstract	17.50	
Charles B. Stevens, recording .	55.93	
J. A. McLane, posting	109.80	
S. H. Libby, services as auc- tioneer	15.60	
Cambridge Gas Light Co., gas .	49.66	
Somerville Electric Light Co., lighting	317.00	
City of Boston, water	35.52	
New England Telephone & Tele- graph Co., rentals and tolls .	150.62	
Horatio Wellington & Co., fuel	121.75	
B. F. Wild & Co., fuel	101.75	
Middlesex County Truant School, board of truants	499.71	
City of Lowell, board of truants	5.21	
E. C. Morris Safe Co., safes . .	1,737.50	
Masten & Wells Fireworks Mfg. Co., display	450.00	
Somerville City Band, music . .	100.00	
Willard C. Kinsley Post, No. 139, G. A. R., contribution for ob- servance of Memorial Day . .	350.00	
Company M, M. V. M., contri- bution for rifle practice . . .	250.00	
Ammiel Colman, salary as sealer of weights and measures . . .	300.00	
Disbursements	5.85	
Charles L. Ellis, salary as Deputy Collector	1,000.00	
<i>Amounts carried forward</i> . . .	<u>\$8,553.37</u>	<u>\$18,495.04</u>

<i>Amounts brought forward</i> . . .	\$8,553.37	\$18,495.04
Disbursements	8.50	
Gertrude G. Kendall, clerical services, etc.	70.20	
Lucia Manning, clerical services, etc.	418.67	
Louise B. McLaughlin, clerical services, etc.	200.00	
Ella L. Daniels, clerical services, etc.	144.68	
Luella M. Eaton, clerical services, etc.	124.00	
Ella D. Gray, clerical services, etc.	135.34	
Edith A. Woodman, clerical services	221.34	
Elizabeth Goldsmith, clerical services	168.00	
Clara Z. Elliot, clerical services	10.00	
Cara I. Howe, clerical services	2.00	
William E. Pitman, clerical services	39.00	
Charles S. Robertson, clerical services	51.00	
Frank E. Merrill, clerical services	54.00	
Charles G. Brett, clerical services	54.00	
Frederic W. Cook, clerical services	13.00	
William P. Mitchell, clerical services	3.00	
Arthur Atwood, clerical services	84.00	
William C. Hammond, clerical services	84.00	
Daniel Richards, Jr., clerical services	84.00	
Precinct Officers	1,610.00	
<i>Amounts carried forward</i> . . .	\$12,132.10	\$18,495.04

<i>Amounts brought forward</i> . . .	\$12,132.10	\$18,495.04
Margaret Hartness, labor . . .	5.00	
W. H. Kelley, labor . . .	13.00	
E. P. Cook, labor . . .	9.00	
N. L. Pennock, labor . . .	11.00	
David Marston, labor . . .	10.00	
W. H. Laskey, labor . . .	4.00	
Alfred Shiner, labor . . .	4.50	
B. F. Sheridan, labor . . .	8.00	
John F. O'Brien, labor . . .	13.00	
E. T. Peterson, labor . . .	5.00	
J. L. Whitaker, labor . . .	8.00	
Alfred Shiner, Jr., labor . . .	2.50	
D. H. Rinn, labor . . .	5.00	
George W. Manning, labor . . .	3.75	
Lewis G. Keen, labor . . .	3.75	
Fred W. Merrill, labor . . .	3.70	
Charles A. Southwick, labor . . .	21.25	
J. E. Baird, labor . . .	34.00	
John A. Kelley, labor . . .	81.25	
Robert S. Robertson, repairing ballot boxes . . .	29.50	
William Watson, repairs . . .	.50	
D. P. Bucknam, mason work . . .	8.00	
T. F. Farrington & Co., street numbering . . .	39.35	
Odd Fellows Building Associa- tion, rent of hall . . .	30.00	
F. A. White, rent of hall . . .	15.00	
Philip Eberle, rent of hall . . .	25.00	
Warren E. Locke, rent of hall . . .	7.00	
J. W. Coveney, rent of Post Office box . . .	3.00	
John M. Schroeder, census of births . . .	145.00	
Arthur D. Osborne, census of births . . .	96.90	
<i>Amounts carried forward</i> . . .	\$12,777.05	\$18,495.04

<i>Amounts brought forward</i> . . .	\$12,777.05	\$18,495.04
Charles E. Sewall, census of births . . .	30.30	
Ernest W. Bailey, disbursements . . .	118.58	
Selwyn Z. Bowman, disbursements	279.96	
Kate W. Wood, car fares . . .	31.20	
Henry M. Woodward, car fares . . .	4.56	
Leighton W. Manning, car fares . . .	13.50	
E. I. Marvel, car fares . . .	9.90	
B. F. Freeman, photographs . . .	5.50	
L. H. Brown, carriage hire . . .	186.00	
J. H. Thompson, carriage hire . . .	51.00	
Eugene Mead, carriage hire . . .	57.00	
Francis J. Kelley, carriage hire . . .	8.25	
F. E. Cheney & Co., refreshments . . .	22.21	
Henry J. Seiler, refreshments . . .	43.50	
Thompson's Spa, refreshments . . .	20.10	
Charles Rickenburg, refreshments . . .	3.00	
James Bartley, spring water . . .	2.70	
William S. Ward, supplies . . .	3.00	
Osgood & Stevens, fence . . .	570.35	
Joseph J. Giles, insurance . . .	15.00	
Services as Appraiser . . .	25.00	
Stillman H. Libby, services as Appraiser	25.00	
H. W. Burgess, turkeys . . .	76.62	
C. P. Brann, turkeys . . .	121.95	
George E. Elliot, turkeys . . .	83.16	
S. S. Higgins, turkeys . . .	61.20	
Walter Young, janitor . . .	5.00	
Alfred E. Mann, floral tributes . . .	50.00	
Wm. H. Gore & Co., balance due for paving Somerville avenue . . .	300.00	
H. D. & W. S. Durgin, ice . . .	35.00	
A. M. Prescott, teaming . . .	35.80	
P. H. Dillon, teaming . . .	1.00	
E. R. Perham, expressing . . .	15.52	
<i>Amounts carried forward</i> . . .	<u>\$15,087.91</u>	<u>\$18,495.04</u>

<i>Amounts brought forward</i> . . .	\$15,087.91	\$18,495.04
Gilman's Express, expressing . . .	2.40	
Glines & Co., expressing . . .	5.35	
Stilphen & Co., expressing . . .	5.15	
Charles E. Farnham, expressing . . .	4.60	
M. G. Staples, expressing . . .	1.50	
H. B. Sellon, expressing . . .	.75	
John M. Robinson, expressing . . .	.25	
William Buckley, veterinary services	2.00	
George A. Clough, expert on plans for new City Hall . . .	50.00	
G. Leslie Nichols, second premium for plans for new City Hall	500.00	
Loring & Phipps, third premium for plans of new City Hall . . .	300.00	
J. St. Clair Harrold, fourth premium for plans of new City Hall	200.00	
J. R. & W. P. Richards, fifth premium for plans of new City Hall	100.00	
L. Roger Wentworth, counselors' fees	100.00	
F. L. Baker, stenographer . . .	236.45	
Charles F. Bovell, typewriting . . .	6.68	
Albert C. Aldrich, return of births . . .	9.75	
Charles S. Cahill, return of births . . .	10.00	
George A. Coburn, return of births	4.00	
John F. Couch, return of births . . .	40.75	
Henry F. Curtis, return of births . . .	3.75	
Alvah B. Dearborn, return of births	14.00	
P. J. Finnegan, return of births . . .	4.00	
<i>Amounts carried forward</i> . . .	\$16,689.29	\$18,495.04

<i>Amounts brought forward</i> . . .	\$16,689.29	\$18,495.04
P. M. Fitzsimmons, return of births . . . . .	.75	
John A. Gregg, return of births .	11.50	
A. A. Gibson, return of births .	12.25	
H. A. Hands, return of births .	4.75	
R. L. Lane, return of births .	8.25	
A. Moll, return of births . . .	2.75	
H. S. Trueman, return of births	2.50	
F. W. Taylor, return of births	6.25	
L. P. O'Connell, return of births	.50	
H. P. Makechnie, return of births	1.75	
Emma J. Peaslee, return of births	3.00	
F. L. S. Newton, return of births	2.75	
Charles C. Ellis, return of births	3.50	
Wm. J. Hatchett, return of births	.75	
Horace C. White, return of births	7.00	
R. Willis, return of births . . .	4.00	
Mary B. Currier, return of births	1.50	
Thomas M. Durell, return of births	16.00	
C. R. Cavanagh, return of births	4.75	
Charles E. Mongan, return of births	6.50	
Anna B. Taylor, return of births	2.25	
G. A. Miles, return of births.	3.50	
A. Ward Follett, return of births	12.25	
John B. Curtis, return of births .	10.00	
A. W. Carvill, return of births .	3.50	
G. W. Bryant, return of births .	7.00	
Wm. H. Bailey, return of births	4.25	
Douglas F. Flewelling, return of births . . . . .	.50	
A. Waldo Forbush, return of births	1.00	
William A. Bell, return of births	8.25	
<i>Amounts carried forward</i> . . .	\$16,842.79	\$18,495.04

<i>Amounts brought forward</i> . . .	\$16,842.79	\$18,495.04
Charles K. Cutter, return of births	2.25	
E. H. Coddington, return of births	2.75	
J. B. Gould, return of births .	1.25	
H. A. Houghton, return of births	.50	
Sanford Hanscom, return of births	7.75	
W. P. Hammond, return of births	.75	
E. S. Kimpton, return of births	1.00	
Frank Leavitt, return of births .	3.25	
F. B. Lynch, return of births .	.75	
A. E. Merrill, return of births .	2.50	
W. J. McNally, return of births .	.50	
H. B. McIntire, return of births	1.50	
J. A. McDonald, return of births	.75	
Rufus K. Noyes, return of births	.50	
E. A. Sanborn, return of births	2.50	
G. W. W. Whiting, return of births	4.25	
J. K. Welch, return of births .	.50	
Roswell Wetherbee, return of births	2.50	
W. A. Frink, return of deaths .	9.00	
William A. Flaherty, return of deaths	45.00	
Daniel Fudge, return of deaths .	9.50	
E. H. Marsh, return of deaths .	22.25	
Alfred E. Mann, return of deaths	29.00	
Francis M. Wilson, return of deaths	12.25	
John Bryant, return of deaths .	13.50	
John E. Bryant, return of deaths	.50	
Charles F. Bryant, return of deaths . . . . .	.50	
C. H. Lockhart, return of deaths	13.00	
C. H. Rafferty, return of deaths	17.00	
J. Howard Colbath, ringing bell	8.00	
<i>Amounts carried forward</i> . . .	\$17,058.04	\$18,495.04

<i>Amounts brought forward</i>	\$17,058.04	\$18,495.04
Charles E. Mack, ringing bell	2.00	
Charles A. Earle, ringing bell	9.00	
A. Strahan, ringing bell	9.00	
H. W. Estabrook, ringing bell	6.00	
G. W. Littlefield, ringing bell	9.00	
Herbert E. Stone, ringing bell	9.00	
George Swift, ringing bell	8.00	
Patrick J. Ahern, compensation for damages	650.00	
Emma J. Smith, compensation for damages	80.00	
Maria Williams, compensation for damages	75.00	
Catherine Rowe, compensation for damages	300.00	
Thomas J. Cunningham, com- pensation for damages	80.00	
George E. Elliot, compensation for damages	125.00	
Ellen O'Neil, compensation for damages	75.00	
	<hr/>	<hr/>
		\$18,495.04

OVERLAY AND ABATEMENT.

CREDIT.

Taxes, amount added by the assessors for conven- ience in apportionment, to be applied to abatements on taxes	\$9,714.37
Cash, taxes collected	18.00
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	\$9,732.37

DEBIT.

Balance to debit in account, 1895	\$4,073.85
Taxes, amount of abatements	5,234.74
Cash, paid James L. Lock, Guardian, abatement of tax	94.20
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	\$9,402.79
Balance to credit in account 1896	329.58
	<hr/>
	\$9,732.37

OVERPLUS ON TAX SALES.

CREDIT.	
Balance from 1894	\$102.13
DEBIT.	
Balance to 1896	<u>\$102.13</u>

POLICE.

CREDIT.	
Appropriations, amount assessed	\$23,000.00
Cash, received of Commonwealth of Massachusetts, National bank and corporation taxes	\$23,823.54
Herbert A. Chapin, clerk of the court, officers' fees, fines, etc.	4,135.51
John M. Fisk, master of house of correction, fines, etc.	1,739.00
	<u>\$29,698.05</u>
Excess and Deficiency, balance to debit of account	<u>1,546.24</u>
	<u>\$54,244.29</u>

DEBIT.	
Cash, paid M. C. Parkhurst, chief	\$1,900.00
Robert R. Perry, captain	1,500.00
Edward McGarr, sergeant	1,200.00
Christopher C. Cavanagh, ser- geant	1,200.00
Dennis Kelley, sergeant	1,200.00
Eugene A. Carter, sergeant	1,200.00
John F. Johnson, patrolman	162.00
John E. Fuller, patrolman	1,095.00
Samuel A. Brown, patrolman	1,095.00
George L. Smith, patrolman	1,059.00
	<u>\$11,611.00</u>
<i>Amounts carried forward</i>	<u>\$54,244.29</u>

<i>Amounts brought forward</i> . .	\$11,611.00	\$54,244.29
Edward M. Carter, patrolman .	1,095.00	
George W. Bean, patrolman .	1,032.00	
George A. Bodge, patrolman .	1,095.00	
Phineas W. Skinner, patrolman	1,095.00	
Hubert H. Miller, patrolman .	609.00	
Edward A. Hamblen, patrolman	1,095.00	
John Hafford, patrolman . .	1,095.00	
Albion L. Staples, patrolman .	1,077.00	
George H. Carleton, patrolman	1,095.00	
Judson W. Oliver, patrolman .	1,095.00	
Francis A. Perkins, patrolman .	1,095.00	
Charles S. Thrasher, patrolman	1,095.00	
William H. Johnston, patrolman	1,092.00	
Charles E. Woodman, patrolman	1,095.00	
Arthur E. Keating, patrolman .	1,095.00	
John G. Knight, patrolman .	1,089.00	
Stephen S. Smith, patrolman .	1,092.00	
Jacob W. Skinner, patrolman .	1,095.00	
Theodore E. Herron, patrolman	1,086.00	
David A. Bolton, patrolman .	1,083.00	
Ulysses G. Skinner, patrolman .	1,095.00	
James M. Harmon, patrolman .	1,095.00	
Michael T. Kennedy, patrolman	1,095.00	
Charles W. Stevens, patrolman	1,092.00	
Ira S. Carleton, patrolman .	1,095.00	
Ezra A. Dodge, patrolman .	1,095.00	
Eugene N. Gammon, patrolman	1,095.00	
James J. Pollard, patrolman .	1,078.00	
Daniel G. Simons, patrolman .	1,073.25	
Samuel Burns, patrolman . .	973.75	
Frederic H. Googins, patrolman	973.50	
Jotham Chisholm, patrolman .	969.25	
John A. Ray, patrolman .	673.00	
William J. Davidson, patrolman	535.00	
John A. Dadman, reserve patrol- man	680.50	
<i>Amounts carried forward</i> . .	\$47,529.25	\$54,244.29

<i>Amounts brought forward</i> . . .	\$47,529.25	\$54,244.29
Eugene A. Woodsum, reserve patrolman	532.50	
Herbert Hilton, reserve patrolman	535.00	
George L. Rice, reserve patrolman	530.00	
Elmer E. Drew, reserve patrolman	530.00	
Myron S. Gott, reserve patrolman	532.50	
Charles W. Reick, reserve patrolman	450.00	
John F. Cotter, special patrolman	2.50	
John J. McGonigle, special patrolman	10.50	
Elmer E. Googins, special patrolman	5.00	
Fred. S. Young, special patrolman	12.50	
William H. Kelley, special patrolman	8.00	
Michael F. Davis, special patrolman	8.00	
N. L. Pennock, special patrolman	8.00	
Daniel H. Rinn, special patrolman	8.00	
Philip J. Fitzpatrick, special patrolman	8.00	
Edward F. Reed, special patrolman	8.00	
Bernard F. Sheridan, special patrolman	8.00	
E. T. Peterson, special patrolman	8.00	
Lewis R. Stewart, special patrolman	8.00	
<i>Amounts carried forward</i> . . .	\$50,741.75	\$54,244.29

<i>Amounts brought forward</i> . . .	\$50,741.75	\$54,244.29
Daniel R. Spike, special patrolman	4.00	
L. M. Maynard, special patrolman	8.00	
Cyrus D. Clark, special patrolman	8.00	
Peter J. Savage, special patrolman	8.00	
Alfred N. Sibley, special patrolman	8.00	
Irving E. Wilton, special patrolman	8.00	
George H. Dearborn, special patrolman	8.00	
William J. Blaisdell, special patrolman	4.00	
James F. Henderson, special patrolman	4.00	
M. C. Parkhurst, salary as lock-up keeper	100.00	
Disbursements	14.45	
Eugene A. Carter, disbursements	49.61	
Edward M. Carter, disbursements	3.06	
Dennis Kelley, disbursements .	52.62	
Ulysses G. Skinner, disbursements	24.00	
George H. Carleton, disbursements	4.30	
Albion L. Staples, disbursements	.95	
Lemuel H. Snow, disbursements	15.21	
Mary A. Staples, services as matron	162.50	
Warren H. Smith, hostler, etc. .	734.00	
James Maines, hostler, etc. .	56.00	
Harlan Foster, hostler, etc. .	28.00	
<i>Amounts carried forward</i> . . .	\$52,046.45	\$54,244.29

<i>Amounts brought forward</i> . . .	\$52,046.45	\$54,244.29
Frank Nicolson, labor on wires .	154.00	
James L. Prentiss, labor on wires .	103.81	
Frank Draper, labor on wires . .	32.61	
James L. Bennett, labor on wires .	5.00	
Edward F. Dalton, labor on wires .	7.50	
Rose Blanchard, meals	27.25	
Municipal Signal Co., supplies .	158.23	
Gillis & Gleeson, signal supplies .	289.79	
Thomas W. Gleason, signal supplies	73.95	
Pettingell-Andrews Co., signal supplies	208.74	
Whitney & Snow, hardware . . .	22.09	
W. E. Plumber & Co., hardware . .	10.52	
Milton H. Plummer, drugs	4.80	
R. M. Sturtevant, soap, etc. . .	9.64	
James Bartley, supplies . . . . .	.50	
J. H. Brooks, dry goods . . . . .	.38	
Samuel Enrich & Co., dry goods . .	.75	
M. L. Vinal, dry goods	1.20	
W. Schuebler, dry goods	1.55	
Howe & Flint, stove, etc.	13.66	
L. D. Miller, polish	2.50	
Columbian Insecticide Co., disinfectant	7.50	
George H. Cowdin, drugs	2.90	
T. H. Fenelon, drugs . . . . .	.60	
Union Glass Co., battery jars . . .	15.81	
Fred W. Farrer, clock work . . . .	.75	
Jackson Caldwell & Co., mattresses	16.50	
Thomas Groom & Co., stationery . .	46.41	
Somerville Journal Co., printing .	24.00	
George B. Reed, law books	6.50	
Little, Brown & Co., law books . .	4.50	
C. M. Blake, newspapers	7.30	
<i>Amounts carried forward</i>	\$53,307.69	\$54,244.29

<i>Amounts brought forward</i> . . .	\$53,307.69	\$54,244.29
W. A. Greenough & Co., directory	2.00	
Sampson, Murdock & Co., directory	5.00	
G. W. Bromley & Co., atlases	40.00	
C. B. Cheney, photographs	6.00	
George D. Ford, photographs	2.00	
Henry Barrett, photographs	2.00	
J. C. McLane, furniture	8.00	
H. A. Winship, clubs	48.00	
A. W. Mitchell Mfg. Co., badges	30.00	
Scovill Mfg. Co., buttons	32.74	
Reilly Medal Co., badges	7.80	
John P. Lovell Arms Co., repairs	1.00	
Elijah Walker, carpentering	2.00	
Fulton O'Brion, grain	205.78	
Union Square Carriage Co., repairs	18.50	
E. Spalding, harness work	6.20	
William D. Hayden, harness	38.00	
J. A. Murray, use of boat	5.00	
W. H. Way, veterinary services	20.00	
Charles R. Cavanagh, professional services	6.00	
Ira L. Roberts, horseshoeing	58.25	
New England Telephone & Telegraph Co., rentals and tolls	129.85	
Fresh Pond Ice Co., ice	30.00	
Joseph W. Adams, labor	10.00	
A. M. Prescott, teaming	2.00	
Thorpe's Express, expressing	2.55	
M. G. Staples, expressing	2.50	
Charles E. Farnham, expressing	4.90	
John M. Robinson, expressing . . . . .	.25	
S. J. Wood, keys, etc.	1.00	
John H. Kelley, harness, etc.	157.62	
<i>Amounts carried forward</i>	\$54,192.63	\$54,244.29

<i>Amounts brought forward</i> . . .	\$54,192.63	\$54,244.29
L. H. Brown, carriage hire . . .	14.50	
James T. Fitzgerald, carriage hire	7.00	
Horatio Wellington & Co., fuel	30.16	
	<hr/>	<hr/>
		\$54,244.29

POLICE STATION INCIDENTALS.

CREDIT.

Appropriations, amount assessed	\$3,000.00
Cash, received of Commonwealth of Massachusetts, rent of armory	300.00
	<hr/>
	\$3,300.00

DEBIT.

Cash, paid William D. Hayden, janitor	\$495.83	
Henry F. Braden, janitor	354.17	
City of Boston, water	89.50	
Cambridge Gas Light Co., gas	767.73	
Horatio Wellington & Co., fuel	221.29	
I. L. Smith, fuel	30.14	
Frank A. Fuller & Co., carpentering	62.84	
G. F. Matthews, carpentering	3.90	
A. M. Godfrey, carpentering	1.90	
A. C. Winning, mason work	111.00	
D. P. Bucknam, mason work	30.75	
James F. Davlin, plumbing	75.40	
Howe & Flint, plumbing	62.70	
J. A. Durell, plumbing	29.48	
W. E. Plumer & Co., cement, etc.	24.05	
Whitney & Snow, line	6.48	
F. C. Ayer, lumber	8.19	
Acme Odorless Disinfectant & Deodorizing Co., disinfectant	3.30	
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<i>Amounts carried forward</i>	\$2,378.65	\$3,300.00

<i>Amounts brought forward</i> . . .	\$2,378.65	\$3,300.00
T. H. Fenelon, powder . . .	.75	
R. M. Sturtevant, sawdust . . .	12.15	
W. F. Burbank, sawdust . . .	1.00	
Hoyt Inspection Co., inspection of boiler	3.50	
F. A. Bailey, plastering . . .	30.00	
Thomas Allen, concreting . . .	15.00	
Charles E. Barker, lettering . .	2.50	
A. A. Sanborn, steam-fitting . .	36.78	
F. C. Fuller & Co., ash cans . .	18.30	
C. D. Densmore & Co., doors . .	20.00	
I. H. Brown & Co., lumber . . .	.79	
J. Q. Twombly, glazing	3.97	
Lewis G. Keen, labor	80.00	
Seward Dodge, iron work	3.95	
Heywood Bros. & Co., furniture	72.00	
J. A. Chabot, safe work	19.00	
H. W. Johns Manufacturing Co., paint	14.40	
David W. Skinner, repairs of clock	1.00	
Boston Woven Hose & Rubber Co., matting	5.63	
George F. Hurn & Co., repairs of furniture	45.63	
Charles H. Dyer, repairs of furni- ture	70.00	
E. O. Arnold & Co., repairs of furniture	4.50	
James Bartley, matches, etc. . .	9.25	
M. G. Staples, expressing . . .	3.00	
E. R. Perham, expressing65	
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	\$2,852.40	
Excess and Deficiency, balance to credit of account	447.60	
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		<u><u>\$3,300.00</u></u>

PRINTING AND STATIONERY.

CREDIT.

Appropriations, amount assessed	\$6,000.00
Excess and Deficiency, balance to debit of account .	666.25
	<hr/>
	\$6,666.25

DEBIT.

Cash, paid Somerville Journal Co., printing and advertising	\$2,182.65	
Citizen Publishing Co., printing and advertising	455.05	
Somerville Printing Co., printing	9.50	
Forbes Lithograph Manufactur- ing Co., printing bonds	275.00	
Babb & Stephens, printing	71.00	
Thomas Groom & Co., stationery, etc.	2,079.51	
A. L. Winship & Co., printing annual reports, etc.	1,434.74	
George H. Walker & Co., maps	34.00	
Heliotype Printing Co., maps	4.50	
G. W. Bromley & Co., atlases	75.00	
Little, Brown & Co., law books	4.00	
The Fairbanks Co., letter scales	6.00	
Dame, Stoddard & Kendall, sta- tionery	1.40	
S. M. Spencer & Co., stamps	2.60	
George B. Sargent & Son, stamps . . . . .	.70	
Frost & Adams, ink	1.60	
Sampson, Murdock & Co., direc- tories	15.00	
W. A. Greenough & Co., direc- tories	12.00	
M. L. Vinal, directories	2.00	
	<hr/>	\$6,666.25

PROPERTY AND DEBT BALANCE.

CREDIT.

Balance from 1894	\$850,771.64
Public Property, property acquired in 1895	165,707.26
Reduction of Funded Debt, bonds paid	262,000.00
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	\$1,278,478.90

DEBIT.

Appropriations, amount borrowed on	
Funded Debt account	\$424,000.00
Public Property, Webster Schoolhouse	
destroyed by fire	4,358.50
Balance to credit in account 1896	850,120.40
	<hr/>
	\$1,278,478.90

PUBLIC GROUNDS.

CREDIT.

Appropriations, amount assessed	\$7,000.00
Cash, received of Wm. E. Doyle, discount on bill	\$ 6.00
Excess and Deficiency, amount transferred	2,096.56
Excess and Deficiency, balance to debit of account	1,070.95
	<hr/>
	\$3,173.51
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	\$10,173.51

DEBIT.

Cash, paid laborers	\$3,844.71
Christopher Burke, sods	72.00
John Kane, sods	7.00
C. H. Bradshaw, loam	4.00
George W. Prichard, manure	76.00
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<i>Amounts carried forward</i>	\$4,003.71
	<hr/>
	\$10,173.51

<i>Amounts brought forward</i> . . .	\$4,003.71	\$10,173.51
John Silk, manure	73.00	
L. M. Maynard, manure . . .	4.38	
Edward Monahan, manure . .	3.00	
Joseph Breck & Sons, grass seed	79.92	
Bubier & Co., grass seed . . .	12.50	
John R. Farnham, trees . . .	4.00	
Allison, Stroup & Co., wood ashes	237.64	
William E. Doyle, plants . . .	130.00	
J. Newman & Son, plants . . .	24.10	
N. F. McCarthy & Sons, plants	23.48	
Richard H. Kidder, plants . .	9.75	
P. O'Brien & Son, plants . . .	16.95	
Denys Zirngiebel, plants . . .	14.10	
A. H. Hewes & Co., flower pots	2.59	
John Keenan, bags	9.90	
W. A. Snow & Co., settees . . .	60.00	
Sweatt & Gould, paving blocks	321.54	
Henry Godbeer, stone bounds .	20.00	
Wm. J. McCarthy, stone	173.75	
Massachusetts Broken Stone Co., stone	11.70	
H. T. Farrington, carpentering .	7.75	
Frank A. Fuller & Co., carpen- tering . . . . .	.85	
Whitney & Snow, tools	102.66	
Howe & Flint, tools	3.93	
James Bartley, salt	4.66	
J. A. Durell, oil	6.88	
W. Irving Heald, oil	4.91	
John B. Dupont, oil	1.72	
Wadsworth, Howland & Co., varnish	10.50	
J. Q. Twombly, painting	3.60	
Charles L. Underhill, rods . . .	5.20	
Joseph Young, repairing tools .	26.60	
F. Dooris, repairing tools . . .	3.10	
<i>Amounts carried forward</i> . . .	\$5,418.37	\$10,173.51

<i>Amounts brought forward</i>	\$5,418.37	\$10,173.51
Scrannage Bros., repairs of cart	14.62	
L. A. Wright, blacksmithing . . . . .	.75	
Henry Carmichael, analysis	3.00	
George W. Manning, labor on flagstaff	30.00	
George D. Goodrich, drain pipe	6.79	
Charles A. Mongan, drain	13.13	
I. L. Smith, fuel . . . . .	.35	
F. C. Ayer, lumber	17.15	
I. H. Brown & Co., lumber	9.63	
Horace L. Eaton, twine	1.21	
E. A. Pinnock, typewriting	14.60	
S. J. Wood, key . . . . .	.25	
M. A. Mann, repairing flag	1.75	
A. J. Whittemore, photographs	5.00	
City of Boston, water	35.00	
Martin Gill, grading	195.00	
W. A. Murtfeldt, concreting	602.27	
Timothy F. Crimmings, grading, etc.	3,660.44	
A. M. Prescott, teaming	87.13	
Charles E. Farnham, expressing	2.30	
Glines & Co., expressing . . . . .	.15	
Water Service account, service pipe	12.02	
Sewers Maintenance account, materials	4.60	
Highways account, labor	38.00	
	<hr/>	<hr/>
		\$10,173.51

PUBLIC GROUNDS, WYATT'S PIT.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$3,600.00
Excess and Deficiency, balance to debit of account	412.27
	<hr/>
<i>Amount carried forward</i>	\$4,012.27

Amount brought forward \$4,012.27

DEBIT.

Cash, paid North Packing & Provision Co., purchase of land . . .	\$2,262.27	
Charles Linnehan, purchase of land	1,750.00	
	<hr/>	<u>\$4,012.27</u>

PUBLIC LIBRARY.

CREDIT.

Balance from 1894	\$	9.55
Appropriations, amount assessed		6,500.00
Cash, received of County Treasurer return on amount received of the city for dog licenses in 1894	\$2,693.51	
John S. Hayes, librarian, fines	148.02	
John S. Hayes, catalogues	61.75	
John S. Hayes, dictionary sold	14.00	
	<hr/>	<u>\$2,917.28</u>
		<u>\$9,426.83</u>

DEBIT.

Cash, paid Little, Brown & Co., books	\$	840.41
C. F. Libbie & Co., books	1,107.44	
George E. Littlefield, books	217.80	
Lee & Shepard, books	156.55	
Boston Book Co., books	12.47	
H. C. Cormack, books	14.00	
C. A. Nichols Co., books	10.00	
Willard Small, books	64.78	
Fred C. Collins, books	2.25	
Puritan Publishing Co., books	2.75	
Publishers Weekly, books	11.66	
J. S. Smith & Co., books	2.00	
W. K. Bradford, books	2.50	
	<hr/>	<u>\$2,444.61</u>
<i>Amounts carried forward</i>		<u>\$9,426.83</u>

<i>Amounts brought forward</i> . . .	\$2,444.61	\$9,426.83
Gateley & Gorman, books . . .	3.75	
D. Appleton & Co., books . . .	16.50	
Dodd, Mead & Co., books . . .	1.50	
Bostonian Publishing Co., books . . .	1.50	
Estes & Lauriat, books . . .	1.67	
E. H. Hanes & Co., books . . .	2.00	
E. S. Webster, books . . .	1.00	
S. C. Chadbourne, books . . .	2.10	
The Nation, books . . .	3.00	
The New England News Co., books	10.28	
Montague Monks, books . . .	3.25	
Houghton, Mifflin & Co., books . . .	3.20	
Harper Brothers, books . . .	16.20	
W. H. Guild & Co., books . . .	47.05	
Century Co., books . . .	12.00	
Arena Publishing Co., books . . .	3.00	
New England Historical and Genealogical Society, books . . .	3.00	
John Munsell's Sons, books . . .	5.00	
J. Q. Adams & Co., books . . .	14.00	
S. H. Chadbourne, books . . .	2.80	
Committee of Publication, books . . .	4.20	
Writer Publishing Co., books . . .	1.00	
New England Publishing Co., books	3.00	
E. B. Hall, books . . .	40.00	
Mrs. T. C. Pease, books . . .	7.00	
Munn & Co., books . . .	5.60	
The Outlook Company, books . . .	3.00	
Charles Scribner's Sons, books . . .	5.90	
University of Chicago, books . . .	2.00	
Publisher of Science, magazines . . .	5.00	
Illustrated American, magazines . . .	4.00	
Cosmopolitan Magazine Co., magazines	2.50	
<i>Amounts carried forward</i> . . .	\$2,680.61	\$9,426.83

<i>Amounts brought forward</i>	\$2,680.61	\$9,426.83
The Critic, magazines	3.00	
Eclectic Magazine, magazines	4.00	
Engineering Magazine Co., magazines	2.40	
Electrical Engineer, magazines	2.25	
Review of Reviews Co., magazines	2.50	
B. P. Sanford, binding books	640.32	
J. H. H. McNamee, binding books	45.85	
F. K. Appleton & Co., binding books	6.50	
Hooper, Lewis & Co., stationery	13.40	
Thomas Groom & Co., stationery	52.05	
Greenough, Adams & Co., stationery	3.75	
The Rice-Kendall Co., paper	78.95	
Citizen Publishing Co., printing	18.25	
Somerville Journal Co., printing	127.60	
Old South Printing Co., printing	28.50	
Library Bureau, catalogue case, etc.	167.60	
W. B. Badger & Co., bookcase	12.00	
O. S. Davis, utility pockets	46.30	
Jackson Caldwell & Co., cord, etc.	1.60	
Sprague & Hathaway Co., frames	7.02	
Horgan, Robey & Co., frames	6.49	
S. J. Wood, keys . . . . .	.50	
W. E. Plumer & Co., mop . . . . .	.50	
Whitney & Snow, hardware	2.46	
Howe & Flint, fixtures	22.20	
Boston Gas Appliance Co., fixtures	2.30	
N. W. Turner Co., gas fixtures	1.60	
Fred C. Fuller & Co., glass	2.23	
<i>Amounts carried forward</i>	<u>\$3,982.73</u>	<u>\$9,426.83</u>

<i>Amounts brought forward</i> . . .	\$3,982.73	\$9,426.83
F. R. Cutter, repairs of clock . . .	1.90	
John D. Hills, carpentering . . .	4.70	
F. A. Fuller & Co., carpentering . . .	1.58	
W. F. Eccles, repairs of furniture . . .	.80	
A. A. Sanborn, repairs of heating apparatus	16.35	
W. G. Hallock, dusters	6.50	
A. Storrs & Bement Co., cards . . .	25.83	
J. W. Coveney, postals, etc.	25.00	
B. F. Wild & Co., fuel	58.23	
W. A. Greenough & Co., directory . . .	2.00	
G. B. Sargent & Son, stamps	1.90	
Broadway National Bank, bill of exchange in payment of books . . .	90.20	
Stone & Downer Co., duties	11.68	
H. S. Garcelon, Agent W. S.	75.00	
Charles S. Robertson, insurance . . .	225.00	
C. M. Blake, newspapers	2.50	
George T. Bailey, newspapers	10.50	
New York Times, newspapers	3.50	
Perry, Mason & Co., newspapers . . .	1.75	
Public Opinion, newspapers	5.00	
City of Boston, water	24.00	
Cambridge Gas Light Co., gas	105.27	
Somerville Electric Light Co., lighting	64.23	
E. R. Perham, expressing	57.85	
Gilman's Express, expressing	25.35	
C. E. Farnham, expressing	5.75	
Thorpe's Express, expressing	1.30	
John S. Hayes, librarian	1,933.33	
John S. Hayes, disbursements	15.75	
Anna L. Stone, assistant	400.00	
Mary J. Warren, assistant	400.00	
F. Mabel Norcross, assistant	345.00	
M. B. Merriam, assistant	93.33	
<i>Amounts carried forward</i>	\$8,023.81	\$9,426.83

<i>Amounts brought forward</i>	.	\$8,023.81	\$9,426.83
M. G. Knapp, assistant	.	7.80	
E. M. Mayhew, assistant	.	155.72	
S. C. Foot, assistant	.	251.60	
E. M. Snell, assistant	.	26.75	
Emma Norcross, assistant	.	10.00	
M. J. Pratt, assistant	.	122.30	
C. L. Bidwell, assistant	.	190.60	
E. L. Jones, assistant	.	132.95	
Isabelle M. Porter, assistant	.	4.26	
E. C. Burbank, assistant	.	45.60	
J. S. Lovering, assistant	.	111.00	
F. E. Flewelling, assistant	.	99.48	
C. F. Cuddy, assistant	.	92.57	
Henry Sanborn, assistant	.	32.05	
		<hr/>	
		\$9,306.49	
Balance to credit in account 1896		120.34	
		<hr/>	
			<u>\$9,426.83</u>

PUBLIC LIBRARY IMPROVEMENT.

CREDIT.

Balance from 1894	.	.	.	.	.	.	\$3,000.00
Appropriations, amount appropriated by borrowing							
on Funded Debt account	.	.	.	.	.	.	3,000.00
							<hr/>
							\$6,000.00

DEBIT.

Cash, paid A. B. & W. T. Westervelt,							
contract for book-stack	.	.	.	.	.	.	\$3,945.00
F. C. Fuller, carpenter work	.						750.71
J. Q. Twombly, painting	.						357.45
G. F. Matthews, carpentering	.						55.38
							<hr/>
<i>Amounts carried forward</i>	\$5,108.54
							<hr/>
							\$6,000.00

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<i>Amounts brought forward</i>	\$5,108.54	\$6,000.00
General Electric Company, electrical fixtures	104.32	
Augustus Langell, fixtures	264.18	
Walworth Manufacturing Co., fixtures	22.06	
McKenney & Waterbury, gas fixtures	22.77	
R. Hollings & Co., gas fixtures	44.10	
T. F. McGann, grills	35.00	
W. B. Holmes, plumbing	61.25	
C. F. Libbie & Co., furniture	57.50	
Library Bureau, furniture	30.00	
D. W. Bennett & Co., insurance	2.25	
Hinckley & Woods, insurance	4.50	
I. B. Kendall, insurance	7.50	
C. S. Robertson, insurance	34.80	
C. L. Page & Co., boxes	22.79	
George Page Box Co., boxes	11.76	
Loring & Phipps, plans	40.00	
Vermont Farm Machine Co., case	3.57	
C. F. Cuddy, labor	15.05	
S. E. Flewelling, labor	15.84	
W. L. Sawtell, labor	8.00	
J. H. Cuddy, labor	8.00	
J. R. Hopkins, labor	4.00	
Charles E. Keys, labor	2.25	
A. M. Prescott, teaming	28.50	
S. J. Wood, keys, etc.	2.40	
A. A. Sanborn, repairs of heating apparatus	6.65	
	<hr/>	
	\$5,967.58	
Excess and Deficiency, balance to credit of account	32.42	
	<hr/>	
		<u>\$6,000.00</u>

PUBLIC PROPERTY.

CREDIT.

Balance to debit in account 1896	\$2,356,620.40
Property and Debt Balance, Webster Schoolhouse burned	4,358.50
	<u>\$2,360,978.90</u>

DEBIT.

Property and Debt Balance, property acquired in 1895	\$ 165,707.26
Balance from 1894	2,195,271.64
	<u>\$2,360,978.90</u>

REAL ESTATE LIENS.

CREDIT.

Balance to 1896	\$3,050.88
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DEBIT.

Balance from 1894	\$ 964.70
Taxes, Interest and Costs on Property deeded to the city for non-pay- ment of taxes of 1893 and 1894	2,086.18
	<u>\$3,050.88</u>

REDUCTION OF FUNDED DEBT.

CREDIT.

Balance from 1894	\$ 9,256.87
Appropriations, amount assessed	76,000.00
City of Boston, Water Rates, transferred	10,181.46
	<u>\$95,438.33</u>

DEBIT.

Property and Debt Balance, amount of reduction of Funded Debt in 1895	\$85,000.00
Balance to credit in account 1896	10,438.33
	<u>\$95,438.33</u>

RENEWALS OF FUNDED DEBT.

CREDIT.

Appropriations, amount authorized by loans . . .	\$177,000.00
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DEBIT.

Property and Debt Balance, amount of Funded Debt renewed in 1895	\$177,000.00
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RELIEF AND BURIAL OF INDIGENT SOLDIERS AND SAILORS.

CREDIT.

Appropriations, amount assessed	\$5,000.00
State of Massachusetts, burials	280.00
Excess and Deficiency, balance to debit of account .	1,198.52
	<u>\$6,478.52</u>

DEBIT.

Cash, paid monthly pay rolls . . .	\$5,850.00
Worcester Lunatic Hospital, board, etc.	338.92
C. L. Stevens, groceries	4.10
H. Wellington & Co., fuel	5.50
Alfred E. Mann, services as un- dertaker	70.00
E. H. Marsh & Son, services as undertaker	70.00
T. L. Goudry, services as under- taker	35.00
C. H. Lockhart, services as un- dertaker	35.00
P. H. Rafferty, services as under- taker	35.00
Wm. A. Flaherty, services as undertaker	35.00
	<u>\$6,478.52</u>

SALARIES.

CREDIT.

Appropriations, amount assessed	\$37,500.00
Cash, received for services of engineer's assistants	924.49
	<hr/>
	\$38,424.49

DEBIT.

Cash, paid William H. Hodgkins, mayor	\$1,000.00	
George I. Vincent, city clerk	2,400.00	
John F. Cole, city treasurer and collector of taxes	3,200.00	
Selwyn Z. Bowman, city solicitor	1,500.00	
Horace L. Eaton, city engineer	2,400.00	
Charles S. Robertson, city auditor	500.00	
Charles S. Robertson, clerk of common council	250.00	
Wm. P. Mitchell, clerk of com- mittees	1,650.00	
Albert B. Fales, clerk of assessors	1,500.00	
Beulah M. Peirce, assistant to treasurer	800.00	
Alice T. Sleeper, assistant to treasurer	700.00	
Amy L. Manning, assistant to city clerk	700.00	
Clara B. Snow, assistant to city clerk	500.00	
Katherine W. Wood, assistant to clerk of assessors	700.00	
Gertrude G. Kendall, assistant to clerk of assessors	432.00	
Frederic W. Cook, assistant to clerk of committees	800.00	
	<hr/>	
<i>Amounts carried forward</i>	\$19,032.00	\$38,424.49

<i>Amounts brought forward</i> . . .	\$19,032.00	\$38,424.49
Jairus Mann, city messenger . . .	1,500.00	
Thomas R. Roulstone, inspector of buildings	1,583.33	
Frederick C. Fuller, inspector of buildings	316.67	
D. C. Greene, inspector of plumb- ing	1,200.00	
Thomas Cunningham, inspector of milk	300.00	
Thomas Cunningham, inspector of provisions	400.00	
Leighton W. Manning, superin- tendent of electric lines . . .	1,000.00	
Charles A. Southwick, janitor of City Hall and Public Library . .	850.00	
Benjamin F. Thompson, assessor . .	900.00	
Samuel T. Richards, assessor . . .	800.00	
Nathan H. Reed, assessor	800.00	
Fred. B. Clapp, assistant assessor . .	250.00	
Charles C. Farrington, assistant assessor	250.00	
Edgar T. Mayhew, assistant assessor	250.00	
Harry A. True, assistant assessor . .	250.00	
Cromwell G. Rowell, registrar of voters	200.00	
Charles E. Parks, registrar of voters	200.00	
Charles P. Lincoln, registrar of voters	200.00	
George I. Vincent, registrar of voters	200.00	
Florence M. Grow, clerical services	137.34	
Eliza D. Foster, clerical services . .	64.00	
Edith M. Walker, clerical services . .	40.00	
<i>Amounts carried forward</i> . . .	<hr/> \$30,723.34	<hr/> \$38,424.49

<i>Amounts brought forward</i> .	\$30,723.34	\$38,424.49
Jessie O. Smith, clerical services	61.33	
Louise B. McLaughlin, clerical services	93.34	
Engineer's assistants . .	6,566.72	
Sewers Construction account, salaries engineer's assistants .	328.31	
Excess and Deficiency, balance to credit of account . .	651.45	
	<hr/>	<hr/>
		\$38,424.49

SCHOOL CONTINGENT.

CREDIT.

Appropriations, amount assessed		\$18,000.00
Cash, received of Thomas B. Tuttle, tuition of non-resident pupil .	\$25.00	
Hiram E. Graffam, tuition of non-resident pupil	26.00	
Donald Durar, tuition of non-resident pupil	16.00	
George C. Yeaton, tuition of non-resident pupil	30.00	
Alfred Heath, tuition of non-resident pupil	16.00	
Emma F. Whitney, tuition of non-resident pupil	16.00	
Lena Gilbert, tuition of non-resident pupil	15.00	
Dougal F. McCurdy, tuition of non-resident pupil	8.00	
William H. Brown, tuition of non-resident pupil	15.00	
Sylvanus C. Small, tuition of non-resident pupil	8.00	
John A. Dodge, tuition of non-resident pupil	16.00	
	<hr/>	<hr/>
<i>Amounts carried forward</i>	\$191.00	\$18,000.00

<i>Amounts brought forward</i> . . .	\$191.00	\$18,000.00
Hattie Raymond, tuition of non-resident pupil	16.00	
Harvey T. Wing, tuition of non-resident pupil	16.00	
C. E. Robinson, tuition of non-resident pupil	4.00	
Osgood J. Bemis, tuition of non-resident pupil	8.00	
G. A. Southworth, amount collected for injury to books, etc.	63.84	
Dame, Stoddard & Kendall, discount on bill	1.40	
	<u>\$300.24</u>	
Excess and Deficiency, balance to debit of account . . .	2,818.12	
	<u></u>	\$3,118.36
		<u>\$21,118.36</u>

DEBIT.

Cash, paid Gordon A. Southworth, salary as supt. of schools . .	\$2,750.00	
Disbursements	246.62	
V. E. Hapgood, clerk in superintendent's office	600.00	
Lemuel H. Snow, truant officer .	1,000.00	
Services taking school census	100.00	
Jairus Mann, truant officer . .	50.00	
Ginn & Co., books	1,917.75	
Silver, Burdett & Co., books . .	595.01	
Leach, Shewell & Sanborn, books	991.92	
American Book Co., books . .	368.42	
Lothrop Publishing Co., books .	132.10	
Houghton, Mifflin & Co., books	264.43	
Lee & Shepard, books	18.60	
John E. Potter & Co., books . .	139.15	
Boston School Supply Co., books	119.32	
	<u>\$9,293.32</u>	
<i>Amounts carried forward</i> . . .		\$21,118.36

<i>Amounts brought forward</i> . . .	\$9,293.32	\$21,118.36
D. C. Heath & Co., books . . .	577.84	
William Ware & Co., books . . .	39.40	
Thompson, Brown & Co., books . . .	9.97	
Cassell Publishing Co., books . . .	29.70	
Longsman, Green & Co., books . . .	17.45	
Harper & Brothers, books . . .	53.90	
Puritan Publishing Co., books . . .	27.30	
T. H. Castor & Co., books . . .	41.29	
University Publishing Co., books . . .	64.06	
C. W. Bardeen, books . . .	382.42	
De Wolfe, Fiske & Co., books . . .	659.24	
Allyn & Bacon, books . . .	205.05	
The C. A. Nichols Co., books . . .	75.00	
Henry Holt & Co., books . . .	58.12	
W. B. Clark & Co., books . . .	16.49	
MacMillan & Co., books . . .	5.67	
John Kenyon, books . . .	17.00	
Maynard, Merrill & Co., books . . .	2.55	
Mary A. Chandler, books . . .	60.00	
City of Gloucester, books . . .	55.00	
Franklin Educational Co., books . . .	21.54	
Beale Publishing Co., books . . .	1.05	
Educational Publishing Co., books . . . . .	.67	
Massachusetts Bible Society, books	18.40	
Prang Educational Co., books . . .	417.91	
Pulsifer, Jordan & Co., supplies . . .	35.45	
Keuffel & Essee, books . . .	71.04	
Wadsworth, Howland & Co., sup- plies	6.87	
L. E. Knott Apparatus Co., sup- plies	1,245.77	
Chandler & Barber, supplies . . .	144.32	
Cambridge Botanical Supply Co., supplies	89.75	
<i>Amounts carried forward</i> . . .	\$13,743.54	\$21,118.36

<i>Amounts brought forward</i>	\$13,743.54	\$21,118.36
Ziegler Electric Co., supplies	77.14	
Marshall, Son & Co., supplies	6.50	
Frank A. Rolfe, supplies	.30	
Burbeck Brothers, supplies	1.74	
F. E. Studley, supplies	2.15	
Carter, Rice & Co., supplies	2.15	
Charles Place, supplies	5.60	
M. L. King, supplies	1.30	
J. L. Hammett, supplies	326.83	
George F. Perry & Co., supplies	105.02	
Whitall, Tatum & Co., supplies	17.86	
C. A. Watrous, supplies	86.12	
Holden Patent Book Cover Co., supplies	5.49	
Edward E. Babb & Co., stationery	221.83	
George F. King & Merrill, sta- tionery	1,385.04	
Greenough, Adams & Cushing, stationery	1,037.88	
Thorp & Martin Co., stationery	14.85	
Frost & Adams, supplies	123.79	
Samuel Ward Co., stationery	5.00	
Eagle Pencil Co., supplies	75.75	
Dame, Stoddard & Kendall, sup- plies	10.13	
Dennison Mfg. Co., tags	2.18	
G. R. Fisk & Co., ribbon	9.63	
Houston & Henderson, cord	.96	
W. E. Plumer & Co., hardware	5.45	
E. S. Daniels, tuning pianos	9.00	
John C. Haynes & Co., pitch pipes	7.35	
West & Jenney, chemicals	11.35	
B. F. Freeman, photographs	7.50	
J. A. McLane, posting	10.00	
W. A. Greenough & Co., directory	2.00	
<i>Amounts carried forward</i>	\$17,321.43	\$21,118.36

<i>Amounts brought forward</i> . . .	\$17,321.43	\$21,118.36
E. O. White, flowers . . .	5.10	
Somerville Journal Co., printing	419.30	
Citizen Publishing Co., printing	195.78	
Wyckoff, Seamans & Co., type- writers	167.15	
Smith Premier Typewriter Co., typewriter	70.00	
W. M. Belcher & Co., typewriter	70.00	
F. J. Barnard & Co., binding books	237.05	
Boston Bank Note & Lithograph Co., diplomas	96.56	
Suffolk Engraving Co., engraving	5.25	
C. A. French, filling in diplomas	81.15	
Nehemiah Boynton, address . .	25.00	
S. H. Hadley, music	50.00	
First M. E. Church, use of edifice	100.00	
Henry F. Miller & Son, piano . .	409.50	
Eugene Mead, carriage hire . .	12.00	
Wemyss Bros. & Co., furniture . .	100.91	
A. W. Mitchell Mfg. Co., stamps	1.92	
City of Boston, water	838.20	
Cambridge Gas Light Co., gas	392.64	
Charlestown Gas & Electric Co., gas	213.55	
Somerville Electric Light Co., lighting	75.47	
N. England Telephone & Tele- graph Co., rentals and tolls . .	71.35	
Charles E. Brainard, disburse- ments	9.90	
F. W. Shattuck, disbursements . .	8.26	
George E. Nichols, disburse- ments	15.67	
F. C. Baldwin, disbursements . .	24.37	
<i>Amounts carried forward</i> . . .	\$21,017.51	\$21,118.36

<i>Amounts brought forward</i> . . .	\$21,017.51	\$21,118.36
M. J. Wendell, disbursements . . .	13.34	
G. M. Wadsworth, disbursements	15.82	
Samuel A. Johnson, disbursements	4.14	
Lyman C. Newell, disbursements	16.45	
C. M. Coffin, disbursements	2.00	
A. C. Hunt, disbursements	5.10	
Charles E. Farnham, expressing	38.00	
E. R. Perham, expressing . . . . .	.75	
Gilman's Express, expressing . . . . .	.50	
Cole's Express, expressing	3.30	
Glines & Co., expressing	1.45	
	<hr/>	<hr/> <hr/>
		\$21,118.36

SCHOOL CONTINGENT, JANITORS' SALARIES.

CREDIT.

Appropriations, amount assessed	\$12,000.00
Cash, received of W. S. Sampson, services of janitors	847.50
Excess and Deficiency, balance to debit of account	421.09
	<hr/>
	\$13,268.59

DEBIT.

Cash, paid janitors' salaries as per pay rolls	<hr/> <hr/>
	\$13,268.59

SCHOOL FUEL.

CREDIT.

Appropriations, amount assessed	\$9,000.00
Cash, received of W. S. Sampson, fuel for heating English High School	727.75
	<hr/>
	\$9,727.75

DEBIT.

Cash, paid Horatio Wellington & Co., fuel	\$5,186.84
	<hr/>
<i>Amounts carried forward</i>	<hr/> <hr/>
	\$5,186.84
	\$9,727.75

<i>Amounts brought forward</i>	.	\$5,186.84	\$9,727.75
B. F. Wild & Co., fuel	. . .	3,302.35	
I. L. Smith, fuel	. . .	990.03	
Baker, Hunnewell & Co., fuel	. . .	95.38	
Ammiel Colman, weighing coal		16.88	
William Bradford, weighing coal		15.00	
Eugene Mead, carriage hire	. . .	6.00	
Citizen Publishing Co., advertising	. . . . .	4.00	
Somerville Journal Co., advertising	. . . . .	3.75	
		<hr/>	
		\$9,620.23	
Excess and Deficiency, balance to credit of account	. . .	107.52	
		<hr/>	
			<u>\$9,727.75</u>

SCHOOLHOUSE, EDGERLY ADDITION.

CREDIT.

Balance from 1894	\$619.48
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DEBIT.

Cash, paid Smith Heating & Ventilating Co., balance of contract	\$565.50	
Excess and Deficiency, balance to credit of account	53.98	
	<hr/>	
		<u>\$619.48</u>

SCHOOLHOUSE, ENGLISH HIGH.

CREDIT.

Balance from 1894	. . . . .	\$37,296.67
Appropriations, amount appropriated by borrowing on Funded Debt	. . . . .	27,000.00
Cash, received of W. S. Sampson, heating, insurance, etc.	. . . . .	1,100.93
Excess and Deficiency, balance to debit of account		128.42
		<hr/>
<i>Amount carried forward</i>	. . . . .	\$65,526.02

Amount brought forward \$65,526.02

DEBIT.

Cash, paid W. S. Sampson, balance		
due on contract	\$39,429.00	
W. S. Sampson, extras	6,841.47	
Hartwell & Richardson, architects	3,485.85	
James Tucker & Sons, plumbing	1,225.65	
John W. Mainland, on account of contract, fitting laboratory	2,000.00	
Frank A. Fuller & Co., carpen- tering	569.70	
J. F. Bubert, electrical work	1,036.30	
Blodgett Bros. & Co., clocks, etc.	454.00	
John Evans & Co., tablets	330.00	
Chandler Adjustable Chair & Desk Co., furniture	2,992.50	
P. Derby & Co., furniture	188.00	
Heywood Brothers, furniture	20.00	
Jordan, Marsh & Co., furniture	19.40	
Somerville Desk Co., furniture	457.00	
Harwood Mfg. Co., furniture	685.50	
Wemyss Bros. & Co., furniture	2,502.66	
John H. Pray, Sons & Co., carpets	196.89	
Charles H. George & Co., tools	576.82	
Keuffel & Essee Co., tools	335.17	
Houston & Henderson, window shades	286.56	
Robert D. Ireland, gas fixtures	1,318.85	
James A. Colson, whitewashing	80.00	
Charles E. Barker, painting	40.35	
C. H. Dyer, carpentering	12.50	
Franklin Burckes, labor	52.50	
Frederick H. Harding, steam fitting	47.50	
Joseph E. Holbrook, steam fitting	47.50	
Chandler & Barber, tables, etc.	26.50	
<i>Amounts carried forward</i>	\$65,258.17	\$65,526.02

<i>Amounts brought forward</i>	\$65,258.17	\$65,526.02
Merrill & Dailey, electrical work	23.68	
Somerville Electric Light Co., wire . . . . .	.40	
Jarvis Engineering Co., mason work	29.85	
E. Saltman, blue-print apparatus	31.95	
E. R. Perham, expressing	89.55	
H. A. Pestell, paper	19.20	
Everett W. Tuttle, car fares	28.22	
Willard C. Hill, premium of in- surance	45.00	
	<hr/>	<hr/> <u>\$65,526.02</u>

SCHOOLHOUSE, HIGH AND ENGLISH HIGH, HEATING, VENTILATING, AND PLUMBING.

CREDIT.

Balance from 1894	\$7,202.72
Appropriations, amount appropriated by borrowing on Funded Debt account	1,000.00
Excess and Deficiency, balance to debit of account	107.24
	<hr/> <u>\$8,309.96</u>

DEBIT.

Cash, paid A. A. Sanborn, balance of contract for heating, and extras	\$6,753.96
James Tucker & Sons, plumbing	1,511.00
Percey N. Kenway, service as expert	45.00
	<hr/> <u>\$8,309.96</u>

SCHOOLHOUSE INCIDENTALS.

CREDIT.

Appropriations, amount assessed	\$13,000.00
Excess and Deficiency, balance to debit of account	2,331.25
<i>Amount carried forward</i>	<hr/> <u>\$15,331.25</u>

Amount brought forward \$15,331.25

DEBIT.

Cash, paid Charles H. Dyer, carpentering	\$ 444.25	
Frank A. Fuller & Co., carpentering	380.82	
George W. Trefren, Jr., carpentering	85.94	
John D. Hills, carpentering	370.14	
Sylvester Wood, carpentering	84.00	
H. S. Brackett, carpentering	121.61	
G. F. Matthews, carpentering	46.66	
W. O. Francis, carpentering	4.00	
Howe & Flint, furnace work, etc.	558.47	
John A. Merrifield, furnace work, etc.	146.01	
W. I. Heald, hardware, etc.	284.18	
W. E. Plumer & Co., hardware, etc.	200.66	
Whitney & Snow, hardware, etc.	24.23	
F. C. Fuller & Co., hardware, etc.	22.48	
D. P. Bucknam, mason work	454.59	
Jarvis Engineering Co., mason work	202.55	
A. C. Winning, mason work	194.23	
A. M. Sibley, mason work	44.25	
Henry P. Lovering, Jr., mason work	16.28	
Clarence G. Reed, plastering	15.70	
Armstrong Bros., plumbing	103.70	
George H. Maynard, plumbing	1.50	
W. J. Kennedy, plumbing	1.50	
J. A. Durell, plumbing	752.19	
W. L. Snow, plumbing	1,897.87	
James F. Davlin, plumbing	214.03	
Frank A. Titus, plumbing	213.91	
<i>Amounts carried forward</i>	\$6,885.75	\$15,331.25

<i>Amounts brought forward</i> . .	\$6,885.75	\$15,331.25
G. K. Proctor, plumbing . .	43.99	
H. W. Covell, plumbing . .	91.52	
J. E. Parsons, plumbing . .	32.77	
P. J. Mooney, plumbing . .	7.94	
Thomas H. Naughton, plumbing	.50	
D'Este & Seeley Co., plumbing	5.20	
A. A. Sanborn, steam-fitting, etc.	192.48	
Braman, Dow & Co., steam-fitting, etc.	62.70	
Lunt & Sylvester, steam-fitting, etc.	12.45	
J. W. Johnson, steam-fitting, etc.	233.73	
O. S. Kendall, furnace work .	300.00	
W. H. Kelley, furnace work .	58.70	
Somerville Iron Foundry Co., grate	22.05	
Crosby Steam Gage & Valve Co., exchange of recorder . .	10.00	
P. Derby & Co., furniture .	71.75	
J. H. Keenan & Co., furniture .	40.00	
Wemyss Bros. & Co., furniture .	45.00	
J. L. Hammett, furniture . .	9.17	
Derby, Kilmer & Pond Desk Co., furniture	16.00	
Somerville Desk Co., furniture .	66.00	
Jackson Caldwell & Co., furni- ture	7.00	
G. F. Ericson, repairs of furniture	207.00	
H. A. Chick & Co., repairs of furniture	8.00	
M. R. Sweatt, repairs of furni- ture . . . . .	.75	
J. H. Hollis, painting, etc. .	131.00	
W. J. Logan, painting, etc. .	23.70	
E. B. Jones, painting, etc. .	129.02	
Frederick G. Jones, painting, etc.	127.50	
<i>Amounts carried forward</i> . .	<hr/> \$8,841.67	<hr/> \$15,331.25

<i>Amounts brought forward</i> . . .	\$8,841.67	\$15,331.25
James Rawson, painting, etc. . .	124.00	
George W. Manning, painting, etc.	109.08	
J. Q. Twombly, painting, etc. . .	565.30	
George B. Pettingell, painting, etc.	132.50	
E. F. Palmer, painting, etc. . .	157.50	
F. S. Dickinson, painting, etc. . .	127.50	
Frank S. Norris, painting, etc. . .	10.00	
Charles E. Barker, painting, etc.	4.35	
Thomas McAuley, painting, etc.	2.50	
T. A. Salloway, painting, etc. . .	.75	
Fermoyle & Butler, painting, etc.	6.00	
Allen, Hall & Co., painting, etc.	22.50	
Fred. C. Ayer, lumber	137.30	
S. W. Fuller, lumber	79.14	
Wm. H. Wood & Co., lumber . .	47.74	
I. H. Brown Moulding Co., lumber	20.12	
George W. Gale Lumber Co.,	2.52	
Carlisle, Ayer & Co., doors . .	11.30	
Quimby & Robertson, mouldings	6.00	
H. Riley's Sons, roofing	901.09	
L. C. Seavey, roofing	4.00	
Union Soapstone Co., slate . .	46.00	
Williams & Co., soapstone work	290.00	
G. M. Starbird, bricks	5.94	
Thomas Allen, concreting . . .	12.00	
James Tattan, grading	24.00	
F. D. Weld, ladders	5.60	
James W. Poole, electric bells, etc.	49.50	
H. A. Pestell, wall paper . . .	9.04	
H. W. Tarbell, shade	1.25	
W. G. Hallock, dusters	265.98	
Murphy, Leavens & Co., brushes	61.33	
<i>Amounts carried forward</i> . . .	\$12,083.50	\$15,331.25

<i>Amounts brought forward</i> . . .	\$12,083.50	\$15,331.25
John Cannon, mops . . .	1.50	
J. Lincoln Collins, wire guard . .	10.00	
Corthell & Pollard, electric work .	70.74	
I. L. Corthell, electrical work . .	31.48	
George D. Goodrich, drain pipe . .	43.26	
The Draper Manufacturing Co., chart	3.10	
J. E. Bell, blackboards . . .	71.24	
F. W. Choate, Agent, blackboards .	47.75	
The Acme Odorless Disinfectant and Deodorizing Co., disinfect- ant	2.20	
Jacob Woodbury, iron work . . .	.75	
Seward Dodge, iron work . . .	3.35	
Charles L. Underhill, iron work . .	1.75	
Hinckley Brothers & Co., rope . . .	4.36	
H. W. Johns Manufacturing Co., paint	89.50	
William S. Ward & Co., oil . . .	1.47	
W. H. Bullard, oil	10.17	
P. Sutherland & Co., oil	27.00	
George W. Waite Co., oil	4.25	
Larriat Manufacturing Co., com- pound	14.95	
Mark A. Torrey & Co., soap . . .	55.00	
J. F. Burton, glazing, etc. . . .	88.70	
Fred W. Farrar, repairs of clocks .	71.00	
Moulton C. Libbey, repairs of clocks	83.00	
David Cutter, repairs of clocks . .	25.00	
George F. Horton & Co., repairs of clocks	47.25	
Charles S. Putnam, repairs of clocks	32.50	
L. R. Stuart, cloth	1.20	
S. J. Wood, keys	24.50	
<i>Amounts carried forward</i> . . .	\$12,950.47	\$15,331.25

<i>Amounts brought forward</i> . .	\$12,950.47	\$15,331.25
Wm. Hall & Co., keys . .	26.00	
Kelley & McKinnon, benches .	5.50	
J. B. Lyons, supplies . . .	1.40	
Knowles Steam Pump Works, re- pairs of pump	4.91	
Anthony Haderbolets, rent .	275.00	
J. Manning & Sons, moving safe	35.00	
Daniel R. Spike, moving furni- ture . . . . .	.75	
J. J. Reid, moving furniture .	6.50	
A. M. Prescott, moving furniture	7.50	
M. G. Staples, moving furniture	25.76	
George W. Prichard, moving fur- niture	8.75	
T. F. Crimmings, teaming .	16.50	
Glines & Co., expressing . .	5.00	
R. A. R. Benson, expressing .	15.75	
E. R. Perham, expressing . .	13.32	
Gilman's Express, expressing .	1.15	
McIntire & Co., expressing .	.55	
Charles E. Farnham, expressing	.70	
J. M. Dennett, carriage hire .	21.00	
J. H. Thompson, carriage hire .	7.00	
Hotel Woodbridge, refreshments	15.00	
Patrick Bowdren, labor . .	61.00	
J. E. Holbrook, labor . .	27.50	
A. B. Colesworthy, labor . .	24.15	
B. F. Sheridan, labor . . .	20.00	
L. B. Angier, labor . . .	7.10	
Frank Burckes, labor . .	2.50	
James Deacon, labor . . .	16.00	
Jeremiah Donovan, labor . .	5.06	
Edward J. Young, labor . .	18.00	
H. A. Turner, labor . . .	3.00	
Alfred Shiner, labor . . .	10.50	
S. D. Rines, labor . . .	3.88	
<i>Amounts carried forward</i> . .	\$13,642.20	\$15,331.25

<i>Amounts brought forward</i> . . .	\$13,642.20	\$15,331.25
W. L. Enos, labor . . .	10.50	
Annie E. Gilman, labor . . .	10.50	
Lewis G. Keene, whitewashing .	141.51	
Hinckley & Woods, premium of insurance	105.00	
W. V. T. Hinckley, premium of insurance	112.50	
Hartford Steam Boiler Inspection and Insurance Co., premium of insurance	50.00	
Charles S. Robertson, premium of insurance	592.50	
W. A. Muzzey, premium of insurance	387.50	
I. B. Kendall, premium of insurance	261.74	
Water Services account, service pipe	17.30	
	<hr/>	<u>\$15,331.25</u>

SCHOOLHOUSE, O. S. KNAPP ADDITION.

CREDIT.

Balance from 1894	\$2,876.54
Appropriations, amount appropriated by borrowing on Funded Debt account	1,500.00
	<hr/>
	\$4,376.54

DEBIT.

Cash, paid John H. Kelley, balance of contract	\$3,100.00
Braman, Dow & Co., steam-fitting	600.00
Loring & Phipps, architects	433.40
W. B. Savage, window shades	61.75
Brock Bros., electrical work	38.06
	<hr/>
	\$4,233.21
Excess and Deficiency, balance to credit of account	143.33
	<hr/>
	<u>\$4,376.54</u>

SCHOOLHOUSE, WARD FOUR, SOUTH SIDE FITCH-
BURG RAILROAD.

CREDIT.

Balance from 1894	\$ 54.51
Excess and Deficiency, balance to debit of account .	634.49
	<hr/>
	\$689.00

DEBIT.

Cash, paid A. A. Sanborn, balance of contract for heating apparatus	<hr/>
	\$689.00

SCHOOLHOUSE, WARD FOUR.

CREDIT.

Appropriation, amount appropriated by borrowing on Funded Debt account	\$53,000.00
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DEBIT.

Cash, paid Margaret A. Simpson, land on Holland street .	\$ 7,908.33
F. G. Coburn & Co., on account of contract	12,000.00
Extra work	555.60
Samuel D. Kelley, architect .	1,200.00
Wilbur P. Rice, lumber . . .	3.19
Frank W. Bickford, carpentering	1.85
Highways account, labor and teaming	836.25
Water Service, Assessment ac- count, service pipe . . .	15.00
	<hr/>
	\$22,520.22
Balance to credit in account 1896	30,479.78
	<hr/>
	\$53,000.00

SCHOOL TEACHERS' SALARIES.

CREDIT.

Appropriations, amount assessed	\$134,000.00
Excess and Deficiency, balance to debit of account	5,712.87
	<hr/>
	\$139,712.87

DEBIT.

Cash, paid salaries as per pay rolls	<u><u>\$139,712.87</u></u>
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SEWERS.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$50,000.00
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DEBIT.

Balance to credit in account 1896	<u><u>\$50,000.00</u></u>
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SEWER ASSESSMENTS.

CREDIT.

Cash, received of Sundry Persons	\$11,067.19
Balance to debit in account 1896	4,624.03
	<hr/>
	\$15,691.22

DEBIT.

Balance from 1894	\$10,353.10	
Sewers, Assessments levied	5,338.12	
	<hr/>	
		<u><u>\$15,691.22</u></u>

SEWERS, CONSTRUCTION.

CREDIT.

Balance from 1894		\$ 7,978.07
Appropriations, amount appropriated by borrowing on Funded Debt account		50,000.00
Sewer Assessments, assessments levied		5,338.12
Cash, received of Joseph F. Wilson, sewer in Albion street	\$ 97.50	
John Herbert, <i>et al.</i> , sewer in Pearl street	53.41	
Heirs of Peter Gordon, privilege of entering sewer in Taylor street	40.20	
John H. Stevens, compensation for damages to land rebated	50.00	
Charles A. Mongan, payment ap- proved in pay roll twice	114.07	
Highways account, edgestones	36.41	
Sidewalks account, edgestones	21.84	
Health Department, account ma- terials	30.84	
Salaries account, salaries of en- gineer's assistants	328.31	
	<hr/>	\$772.58
		<hr/>
		\$64,088.77

DEBIT.

Cash, paid laborers	\$1,725.78	
David W. Lewis, drain pipe	1,280.23	
George D. Goodrich, drain pipe	820.93	
T. F. Crimmings, drain pipe	11.36	
Berry & Ferguson, cement	90.20	
Whitney & Snow, cement	7.90	
Waldo Brothers, cement	6.60	
Ham & Carter, cement	25.00	
	<hr/>	
<i>Amounts carried forward</i>	\$3,968.00	\$64,088.77

<i>Amounts brought forward</i> . . .	\$3,968.00	\$64,088.77
W. G. Nash, cement . . .	4.30	
D. Warren DeRosay, bricks . . .	393.60	
W. A. Sanborn, bricks . . .	47.60	
Luke Kilroy, sand . . .	3.00	
Charles J. Simpson, sand . . .	2.00	
Sylvester & Co., iron rod . . .	3.00	
Perrin, Seamans & Co., tools . . .	11.76	
J. S. F. Huddleston, thermometer . . .	3.00	
L. R. Stuart, cloth . . .	3.80	
Oliver Whyte & Co., sieve . . .	.85	
I. H. Brown & Co., lumber . . .	37.74	
J. Rush Green, lumber . . .	2.25	
Horatio Wellington & Co., fuel . . .	2.50	
Boston Double Catchbasin, Sewer & House Trap Co., sewer traps . . .	312.50	
Pigeon Hill Granite Co., catch- basin stones	1,081.70	
S. D. Hicks & Son, copper float . . .	75.00	
Mechanics Iron Foundry Co., castings	106.39	
Osgood & Hart, castings . . .	24.36	
Le Baron Foundry Co., castings . . .	300.80	
E. Ricker, Son & Co., use of derrick	61.60	
Henry R. Worthington, use of meter	37.70	
The Fairbanks Co., moulds and tester	117.00	
B. F. Smith & Bro., testing sewer . . .	109.22	
Thomas Groom & Co., books . . .	14.50	
Charles B. Stevens, recording . . .	5.16	
Citizen Publishing Co., printing, etc.	38.75	
Somerville Journal Co., printing, etc.	12.00	
E. A. Pinnock, typewriting . . .	33.25	
<i>Amounts carried forward</i> . . .	\$6,813.33	\$64,088.77

<i>Amounts brought forward</i> . . .	\$6,813.33	\$64,088.77
John F. Hodgdon, bag . . .	1.15	
Sawyer & Read, jars . . .	.60	
Jones, McDuffee & Stratton, jars . . .	5.20	
Charles A. Pearson, surveying . . .	135.50	
C. J. Bailey & Co., rubber gloves . . .	1.25	
Engineer's assistants, services . . .	594.47	
Metropolitan Sewerage Commis- sion, use of pump	12.25	
A. M. Prescott, teaming	312.53	
John Silk, teaming	60.00	
Henry W. Smith, teaming	6.00	
Whiting & Smith, carriage hire	8.00	
Dean & Main, expert advice	10.00	
Desmond Fitzgerald, expert ad- vice	175.00	
John H. Stevens, compensation for damages to land	350.00	
T. F. Crimmings & Dennis C. Collins, sewer in Spring street	919.19	
T. F. Crimmings & Dennis C. Collins, sewer in Hall avenue	175.88	
T. F. Crimmings & Dennis C. Collins, sewer in Summer street	63.44	
T. F. Crimmings & Dennis C. Collins, sewer in Pitman street	102.13	
T. F. Crimmings & Dennis C. Collins, sewer at City Farm	52.02	
Dennis C. Collins, sewer in Albion place	60.94	
Dennis C. Collins, sewer in Lowell street	384.50	
Dennis C. Collins, sewer in Spring Hill terrace	367.68	
Dennis F. O'Connell, sewer in North Union street	4,252.13	
<i>Amounts carried forward</i> . . .	<hr/> \$14,863.19	<hr/> \$64,088.77

<i>Amounts brought forward</i> . .	\$14,863.19	\$64,088.77
Charles A. Mongan, sewer in Leland street	14.80	
Charles A. Mongan, sewer in Summer street	36.92	
Charles A. Mongan, sewer in Putnam street	24.17	
Charles A. Mongan, sewer in North Union street . .	21.00	
Charles A. Mongan, sewer in Crocker street	312.45	
Charles A. Mongan, sewer in Sanford terrace	30.00	
Charles A. Mongan, sewer in Washington street . . .	333.18	
Charles A. Mongan, sewer in Bartlett street	662.65	
Charles A. Mongan, sewer in Ibbetson street	565.58	
Charles A. Mongan, sewer in Sycamore street	228.14	
Charles A. Mongan, sewer in Grant street	61.25	
Charles A. Mongan, sewer in Richmond Highlands . .	66.96	
Charles A. Mongan, sewer in Pearl street	32.44	
Charles A. Mongan, sewer in Cross street place	3.17	
Charles A. Mongan, sewer in Central street and Westwood road	121.74	
Charles A. Mongan, sewer in private lands and Talbot avenue	1,273.76	
Maurice Buttimer, sewer in pri- vate lands, Mystic avenue and and No. Union street . .	125.63	
<i>Amounts carried forward</i> . .	<hr/> \$18,777.03	<hr/> \$64,088.07

<i>Amounts brought forward</i> . . .	\$18,777.03	\$64,088.77
Maurice Buttimer, sewer in Union street and Mystic avenue . . .	843.78	
Maurice Buttimer, sewer in Talbot and Packard avenues . . .	170.28	
Maurice Buttimer, sewer in Richardson terrace	69.66	
Maurice Buttimer, sewer in Cross street	235.84	
Maurice Buttimer, sewer in Melvin street	4.34	
Richard Falvey, sewer in Francesca avenue	58.43	
Richard Falvey, sewer in Talbot, Packard and Sawyer avenues	288.30	
Richard Falvey, sewer in Mount Vernon avenue	108.38	
Henry A. Hanscome, sewer in Edmands street	98.82	
Henry A. Hanscome, sewer in Sycamore street	10.42	
Charles A. Kelley, sewer in Walnut street	201.44	
Charles A. Kelley, sewer in Banks street	178.43	
Charles A. Kelley, sewer in passageway, off Craigie street	66.31	
Charles A. Kelley, sewer in Greenwood terrace	98.10	
Maurice Buttimer, drain pipe	1.35	
Sewers Maintenance account, digging for ledge	3.25	
Water Maintenance account, pipe and labor	146.32	
Water Works Extension account, pipe and labor	12.70	
<i>Amounts carried forward</i> . . .	<u>\$21,373.18</u>	<u>\$64,088.77</u>

<i>Amounts brought forward</i> . . .	\$21,373.18	\$64,088.77
Salaries account, engineer's assistants, surveys, etc. . . .	924.49	
	<hr/>	
	\$22,297.67	
Balance to credit in account 1896	41,791.10	
	<hr/>	
		<u>\$64,088.77</u>

SEWERS, MAINTENANCE.

CREDIT.

Appropriations, amount assessed		\$7,000.00
Cash, received of Massachusetts General Hospital, annual fee for permission to enter Fitchburg Street Sewer	\$ 50.00	
West End Street Railway Co., changing grade of manholes	261.81	
L. R. Wentworth and G. T. Bosson, trustees, dividend on bill for labor	7.80	
Sewers Construction account, digging for ledge	3.25	
Public Grounds account, materials	4.60	
	<hr/>	
	\$327.46	
Excess and Deficiency, balance to debit of account	2,569.69	
	<hr/>	
		<u>\$2,897.15</u>
		<u>\$9,897.15</u>

DEBIT.

Cash, paid laborers	\$5,978.86	
I. H. Brown Moulding Co., sewer boats, etc.	37.14	
Berry & Ferguson, cement	38.40	
Waldo Brothers, cement	140.00	
W. G. Nash, cement	118.25	
	<hr/>	
<i>Amounts carried forward</i>	\$6,312.65	\$9,897.15

<i>Amounts brought forward</i> . . .	\$6,312.65	\$9,897.15
John Silk, sand . . .	47.25	
Charles J. Simpson, sand . . .	2.00	
Luke Kilroy, sand . . .	1.00	
Dennis Ryan, filling . . .	12.25	
Wellington Smith, traps . . .	11.00	
Dàvid W. Lewis, drain pipe . . .	23.56	
George D. Goodrich, drain pipe . . .	3.42	
D. Warren De Rosay, bricks . . .	222.40	
W. A. Sanborn, bricks . . .	25.80	
Osgood & Hart, castings . . .	54.36	
Miller & Shaw, repairing tools . . .	18.59	
Charles L. Underhill, repairing tools	19.75	
Seward Dodge, blacksmithing . . .	.35	
Perrin, Seamans & Co., tools . . .	5.25	
John F. Hodgdon, tools . . .	3.79	
Boston Bolt Company, tools . . .	.67	
Whitney & Snow, hardware . . .	76.05	
Howe & Flint, hardware . . .	16.13	
Sawyer & Read, jars . . .	.60	
John Fisher, pails . . .	10.00	
Cornelius Callahan Co., hose . . .	78.59	
Edson Mfg. Co., diaphragm . . .	2.00	
J. H. Archibald, poles . . .	2.75	
Samuel White, rubber boots . . .	74.70	
T. F. Farrington & Co., lumber . . .	11.46	
Fred C. Ayer, lumber . . .	59.14	
Citizen Publishing Co., printing . . .	10.50	
Somerville Journal Co., printing . . .	17.45	
Thomas Groom & Co., paper . . .	.35	
A. M. Prescott, teaming . . .	1,298.56	
D. W. Crocker, carriage hire . . .	4.00	
J. M. Dennett, carriage hire . . .	5.00	
Robert Burlen, binding plans . . .	11.00	
Horatio Wellington & Co., fuel . . .	2.88	
Henry M. Woodward, car fares . . .	11.10	
<i>Amounts carried forward</i> . . .	<hr/> \$8,456.35	<hr/> \$9,897.15

<i>Amounts brought forward</i> . . .	\$8,456.35	\$9,897.15
Maurice W. Grimes, inspecting drains	6.25	
Charles A. Mongan, overseeing	205.00	
Highways account, stone . . .	80.69	
City of Cambridge, five-ninths cost of cleaning outlet of Bridge street sewer . . .	1,148.86	
	<hr/>	<hr/> <hr/>
		\$9,897.15

SIDEWALKS.

CREDIT.

Appropriations, amount assessed	\$10,000.00
Sidewalk Assessments, assessments levied . . .	10,085.41
Cash, received of Highways account, edgestones	\$13.58
Excess and Deficiency, balance to debit of account . . .	85.34
	<hr/>
	\$98.92
	<hr/> <hr/>
	\$20,184.33

DEBIT.

Cash, paid laborers	\$4,934.91
W. A. Sanborn, bricks . . .	3,484.80
N. M. Cofran & Co., bricks . .	1,526.00
Sweatt & Gould, edgestones . .	8,013.23
Dennis Ryan, sods	81.74
Somerville Journal Co., advertis- ing	161.00
Citizen Publishing Co., advertis- ing	128.50
Highways Account, teaming, etc.	1,800.09
Sewers Construction account, edgestones	54.06
	<hr/>
	<hr/> <hr/>
	\$20,184.33

SIDEWALK ASSESSMENTS.

CREDIT.			
Cash received of Sundry Persons	.	.	\$9,679.73
Balance to debit in account 1896	.	.	5,395.47
			<u>\$15,075.20</u>
DEBIT.			
Balance from 1894	.	\$ 4,989.79	
Sidewalks, assessments levied	.	10,085.41	
			<u>\$15,075.20</u>

STATE AID.

CREDIT.			
State of Massachusetts, amount paid in 1895 charged to State	.	.	\$7,466.50
DEBIT.			
Cash, paid monthly pay rolls	.	.	<u>\$7,466.50</u>

STATE OF MASSACHUSETTS.

CREDIT.			
Appropriations, amount appropriated	.	.	\$25,890.00
DEBIT.			
Cash, paid State Treasurer, state tax	.	.	<u>\$25,890.00</u>

STATE OF MASSACHUSETTS, METROPOLITAN SEWER.

CREDIT.			
Appropriations, amount appropriated	.	.	\$29,872.56
DEBIT.			
Cash, paid State Treasurer, assessment of 1895	.	.	<u>\$29,872.56</u>

STATE OF MASSACHUSETTS, NON-RESIDENT BANK STOCK.

CREDIT.

Appropriations, amount assessed	\$806.96
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DEBIT.

Cash, paid State Treasurer, amount collected on non-resident stock	<u>\$806.96</u>
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STATE OF MASSACHUSETTS, BURIAL OF INDIGENT SOLDIERS AND SAILORS.

CREDIT.

Cash, received of State Treasurer for burials in 1894	\$157.50
Balance, Dec. 31, 1895, due from State Dec. 10, 1896	<u>280.00</u>
	\$437.50

DEBIT.

Balance from 1894	\$157.50
Relief and Burial of Indigent Soldiers and Sailors, amount paid for burials in 1895	<u>280.00</u>
	<u>\$437.50</u>

STATE OF MASSACHUSETTS, INDIGENT SOLDIERS AND SAILORS.

CREDIT.

Cash, received of State Treasurer	\$296.00
Balance, Dec. 31, 1895, due from State Dec. 10, 1896	<u>310.00</u>
<i>Amount carried forward</i>	\$606.00

Amount brought forward \$606.00

DEBIT.

Balance from 1894	\$282.00	
Indigent soldiers and Sailors, one half of amount paid in 1895	324.00	
	<u> </u>	<u>\$606.00</u>

STATE OF MASSACHUSETTS, STATE AID.

CREDIT.

Cash, received of State Treasurer	\$7,436.00	
Balance, Dec. 31, 1895, due from State Dec. 10, 1896	7,320.50	
	<u> </u>	<u>\$14,756.50</u>

DEBIT.

Balance from 1894	\$7,312.00	
State Aid, amount paid in 1895	7,444.50	
	<u> </u>	<u>\$14,756.50</u>

STREET LIGHTS.

CREDIT.

Appropriations, amount assessed	\$45,000.00	
Cash, received of Nathaniel Tufts, lamp posts	6.00	
Excess and Deficiency, balance to debit of account	1,472.27	
	<u> </u>	<u>\$46,478.27</u>

DEBIT.

Cash, paid Somerville Electric Light Company, lighting	\$46,420.28	
Wheeler Reflector Company, lighting	23.10	
M. G. Staples, teaming	19.50	
	<u> </u>	<u> </u>
<i>Amounts carried forward</i>	\$46,462.88	\$46,478.27

<i>Amounts brought forward</i> . .	\$46,462.88	\$46,478.27
Patrick Bowden, labor . .	1.00	
Thomas McNee, labor . .	2.00	
Whitney & Snow, hardware . .	.84	
Frost & Adams, map . .	.80	
Thomas Groom & Co., mounting map	7.75	
Somerville Electric Light Com- pany, moving light	3.00	
	<hr/>	<u>\$46,478.27</u>

SUNDRY PERSONS.

CREDIT.

Balance from 1894	\$1,890.10
Interest, coupons not paid	840.00
Water Loan Interest, coupons not paid	65.00
	<hr/>
	\$2,795.10

DEBIT.

Cash, paid Sundry Persons amounts due them	\$1,855.00
Balance to credit in account 1896	940.10
	<hr/>
	<u>\$2,795.10</u>

SUPPORT OF POOR.

CREDIT.

Appropriations, amount assessed . .	\$16,150.00
Cash, received for support of paupers:—	
Of State of Massachusetts . .	\$1,270.64
Of City of Boston	640.47
Of City of Cambridge	415.69
Of City of Chelsea	3.00
Of City of Fitchburg	21.25
Of City of Lowell	26.35
Of City of Medford	29.47
	<hr/>
<i>Amounts carried forward</i>	\$2,406.87
	<u>\$16,150.00</u>

<i>Amounts brought forward</i> . .	\$2,406.87	\$16,150.00
Of City of Newton . .	154.48	
Of City of Worcester . .	15.60	
Of City of Woburn . .	5.50	
Of Town of Blackstone . .	8.00	
Of Town of Canton . .	17.53	
Of Town of Danvers . .	34.45	
Of Town of Franklin . .	5.00	
Of Town of Lexington . .	98.00	
Of Town of North Andover .	147.07	
Of Town of Revere . .	167.83	
Of Town of Sandwich . .	7.75	
Of Town of Stoneham . .	52.15	
Of State of Massachusetts, burials	15.00	
Samuel A. Collieson, aid fur- nished	113.00	
Frank W. Kaan, guardian, aid furnished	127.67	
Estate of N. C. Woodman, aid furnished	233.00	
Charles Cooper, aid furnished .	70.11	
Richard Moor, aid furnished .	76.15	
James F. Hunt, aid furnished .	47.13	
John Hoban, aid furnished .	100.28	
	<hr/>	
	\$3,902.57	
Excess and Deficiency, balance to debit of account . .	702.89	
	<hr/>	
		\$4,605.46
		<hr/>
		\$20,755.46

DEBIT.

Cash, paid State of Massachusetts, support of paupers	\$1,165.11	
Massachusetts School for the Feeble-minded	508.29	
	<hr/>	
<i>Amounts carried forward</i> . .	\$1,673.40	\$20,755.46

<i>Amounts brought forward</i> . . .	\$1,673.40	\$20,755.46
Massachusetts Hospital for Dip- somaniaes, etc. . . .	333.36	
Worcester Lunatic Hospital . . .	2,894.08	
Worcester Insane Asylum . . .	1,016.79	
Taunton Lunatic Hospital . . .	246.99	
Danvers Lunatic Hospital . . .	1,146.98	
Westboro Insane Hospital . . .	752.32	
Boston Lunatic Hospital . . .	169.46	
House of the Angel Guardian . . .	88.00	
Carney Hospital	25.15	
City of Boston	526.26	
City of Cambridge	216.81	
City of Chelsea	40.71	
City of Everett	20.26	
City of Malden	442.40	
Town of Chelmsford	58.71	
Town of Melrose	14.50	
Town of Peabody	433.95	
Town of Raynham	104.00	
Town of Revere	335.84	
Somerville Hospital, board . . .	603.71	
Kurn Hatten Home, board . . .	166.66	
Hannah N. Mayo, board . . .	169.45	
Albert W. Sawin, board . . .	4.43	
Ann H. Sawin, board . . .	47.74	
Ellen M. O'Donnell, board . . .	104.30	
Morris Barry, board . . .	13.72	
Catherine Cronin, board . . .	8.00	
Hannah Egan, board . . .	44.00	
Ann Kelley, board . . .	34.73	
Mary Curran, board . . .	96.00	
E. Wilcomb, board . . .	138.43	
N. C. Desmond, board . . .	130.33	
William D. Hayden, board . . .	4.00	
A. B. Boynton, board . . .	93.45	
Catherine Hargrove, board . . .	88.00	
<i>Amounts carried forward</i> . . .	<u>\$12,286.92</u>	<u>\$20,755.46</u>

<i>Amounts brought forward</i> . . .	\$12,286.92	\$20,755.46
Mrs. George Clapp, board . . .	169.46	
Mrs. Preston Cheney, board . . .	169.46	
Mrs. C. H. Dunbar, board . . .	45.86	
James M. Burckes, board . . .	7.00	
Mary E. Ayer, board . . .	14.29	
Margaret Barry, board . . .	20.00	
Henry B. Dresser, board . . .	79.08	
Susan McDonald, board . . .	56.00	
Mrs. John T. Hayes, board . . .	61.33	
Julia Herbert, board . . .	9.00	
Mary Burke, rent . . .	72.00	
John Murphy, rent . . .	84.00	
Ellen Driscoll, rent . . .	48.00	
Owen McLaughlin, rent . . .	40.00	
Bridget Maher, rent . . .	30.00	
Sarah Gill, rent . . .	60.00	
A. E. Viles, Executor, rent . . .	72.00	
James Ambrose, rent . . .	84.00	
Elizabeth Morrison, rent . . .	84.00	
John Welch, rent . . .	12.00	
Ellen Welch, rent . . .	24.00	
O. H. Perry, Agent, rent . . .	90.00	
Bridget Flemming, rent . . .	44.00	
Milo Scott, rent . . .	8.00	
Idella Taylor, rent . . .	28.00	
Ellen Holloran, rent . . .	20.00	
Mrs. W. H. Johnson, nursing . . .	104.30	
Louisa Pero, nursing . . .	10.00	
Mary Downey, nursing . . .	20.00	
A. F. Carpenter, groceries and provisions . . .	89.00	
Sawyer & Read, groceries and provisions . . .	304.22	
E. R. Lowell & Co., groceries and provisions . . .	240.00	
C. L. Stevens, groceries and provisions . . .	7.73	
<i>Amounts carried forward</i> . . .	<u>\$14,493.65</u>	<u>\$20,755.46</u>

<i>Amounts brought forward</i> . . .	\$14,493.65	\$20,755.46
Solomon Rhoades, groceries and provisions	89.22	
R. M. Sturtevant, groceries and provisions	491.85	
W. P. Blanchard, groceries and provisions	119.00	
W. H. Bullard, groceries and provisions	247.65	
William S. Ward, groceries and provisions	384.50	
James Bartley, groceries and provisions	57.50	
Charles S. Butters, groceries and provisions	32.00	
Medford Street Market, groceries and provisions	26.00	
Frank E. Robie & Son, groceries and provisions	20.00	
C. A. Small, groceries and provisions	131.50	
Christopher Brothers, groceries and provisions	14.00	
D. E. Watson, groceries and provisions	38.50	
George J. Russell, groceries and provisions	12.00	
N. R. Barrows, groceries and provisions	19.00	
David Sutton, groceries and provisions	2.00	
A. Fiske, crackers	36.00	
Henry Gray, milk	3.15	
J. H. Mongan, boots and shoes	4.00	
W. J. Emerson, boots and shoes	1.25	
Philip Eberle, boots and shoes	94.00	
E. B. Bradshaw, dry goods	9.00	
<i>Amounts carried forward</i> . . .	<hr/> \$16,325.77	<hr/> \$20,755.46

<i>Amounts brought forward</i> . . .	\$16,325.77	\$20,755.46
J. H. Brooks, dry goods . . .	14.86	
R. H. White & Co., dry goods . . .	9.96	
Leopold Morse & Co., clothing . . .	8.00	
Horatio Wellington & Co., fuel . . .	513.95	
S. M. Fuller, fuel	20.35	
Frank A. Teele, fuel	3.05	
L. H. Brown, carriage hire . . .	14.00	
Howard Lowell & Son, carriage hire	7.00	
Jackson Caldwell & Co., furniture . . .	18.25	
M. G. Staples, teaming	1.50	
A. M. Prescott, teaming	2.00	
G. F. & S. E. Sturtevant, storage . . .	6.00	
Thomas Groom & Co., stationery . . .	80.16	
W. A. Greenough & Co., directory . . .	2.00	
New England Telephone & Tele- graph Co., rentals and tolls . . .	100.90	
Francis M. Wilson, bed	12.50	
Somerville Journal Co., binding books	37.95	
E. H. Marsh, services as under- taker	15.00	
W. A. Frink, services as under- taker	20.00	
Alfred E. Mann, services as under- taker	35.00	
P. H. Rafferty, services as under- taker	55.00	
Wm. A. Flaherty, services as undertaker	35.00	
John S. McGowan, services as undertaker	25.00	
G. F. McKenna, services as undertaker	15.00	
C. C. Folsom, salary as agent . . .	1,500.00	
Disbursements	227.26	
<i>Amounts carried forward</i> . . .	<hr/> \$19,105.46	<hr/> \$20,755.46

<i>Amounts brought forward</i> . . .	\$19,105.46	\$20,755.46
A. B. Dearborn, salary as city physician	1,150.00	
Cora F. Lewis, salary as secretary	500.00	
	<hr/>	<u>\$20,755.46</u>

TAXES.

CREDIT.

Cash, received for taxes of 1889	\$ 11.80	
“ “ “ “ 1890	158.20	
“ “ “ “ 1891	232.60	
“ “ “ “ 1892	595.00	
“ “ “ “ 1893	40,297.15	
“ “ “ “ 1894	103,346.03	
“ “ “ “ 1895	574,426.92	
	<hr/>	\$719,067.70

Real Estate Liens, titles to the city for non-payment of taxes of 1893 \$1,081.90

Real Estate Liens, titles to the city for non-payment of taxes of 1894 737.90

\$1,819.80

Overlay and Abatement:—

Abatements on taxes of 1889	\$ 19.60	
“ “ “ “ 1890	12.80	
“ “ “ “ 1891	12.80	
“ “ “ “ 1892	16.00	
“ “ “ “ 1893	178.30	
“ “ “ “ 1894	406.54	
“ “ “ “ 1895	4,588.70	
	<hr/>	\$5,234.74

Balance to debit in account 1896:—

Being uncollected taxes of 1889	\$ 46.60	
“ “ “ “ 1890	12,445.00	
“ “ “ “ 1891	5,042.80	
	<hr/>	

Amounts carried forward \$17,534.40 \$726,122.24

<i>Amounts brought forward</i> . . .	\$ 17,534.40	\$726,122.24
Being uncollected taxes of 1892	5,770.50	
“ “ “ “ 1893	7,265.55	
“ “ “ “ 1894	49,031.21	
“ “ “ “ 1895	166,593.40	
	<hr/>	\$246,195.06
		<hr/>
		\$972,317.30

DEBIT.

Balance from 1894	\$226,708.28	
Appropriations, amount assessed for current expenses	638,450.00	
State of Massachusetts, amount assessed for State Tax	25,890.00	
State of Massachusetts, amount assessed for Metropolitan Sewer	29,872.56	
State of Massachusetts, amount assessed on Non-resident National Bank Stock	806.96	
County of Middlesex, amount as- sessed for County Tax	40,875.13	
Overlay and Abatement, amount added by the assessors	9,714.37	
	<hr/>	\$972,317.30
		<hr/>

TEMPORARY LOANS.

CREDIT.

Balance from 1894		\$206,000.00
Cash, borrowed by authority of the City Council on notes as fol- lows : —		
Boston Five Cents Savings Bank, nine months, $3\frac{1}{2}$ per cent.	\$200,000.00	
F. S. Moseley & Co., nine months, $3\frac{1}{2}$ per cent.	50,000.00	
R. L. Day & Co., seven months, 3.9 per cent.	50,000.00	
	<hr/>	
<i>Amounts carried forward</i>	\$300,000.00	\$206,000.00

<i>Amounts brought forward</i> . . .	\$300,000.00	\$206,000.00
F. S. Moseley & Co., twelve months, 3.9 per cent. . . .	175,000.00	
Brewster, Cobb & Estabrook, thirty-three days, 2 per cent. .	100,000.00	
	<hr/>	\$575,000.00
		<hr/>
		\$781,000.00

DEBIT.

Cash, paid as follows : —

Brewster, Cobb & Estabrook, four months, $2\frac{7}{8}$ per cent. . . .	\$200,000.00	
Brewster, Cobb & Estabrook, thirty-three days, 2 per cent. .	100,000.00	
R. L. Day & Co., seven months, 3.9 per cent.	50,000.00	
Boston Five Cents Savings Bank, nine months, $3\frac{1}{2}$ per cent. . .	200,000.00	
F. S. Moseley & Co., nine months, $3\frac{1}{2}$ per cent.	50,000.00	
First Congregational Society, balance of note, dated May 22, 1893, on demand, 4 per cent.	6,000.00	
	<hr/>	\$606,000.00
Balance to credit in account 1896	175,000.00	
	<hr/>	<hr/>
		\$781,000.00

WATER LOAN INTEREST.

CREDIT.

City of Boston, Water Rates transferred	\$14,250.00
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DEBIT.

Cash paid on Water Loan Debt : —

\$247,000, one year, at 4 per cent.	\$9,880.00	
\$1,000, six months, at 4 per cent. .	20.00	
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<i>Amounts carried forward</i> . . .	\$9,900.00	\$14,250.00

<i>Amounts brought forward</i> . . .	\$9,900.00	\$14,250.00
\$69,500, one year, at 5 per cent.	3,475.00	
\$13,000, six months, at 5 per cent.	325.00	
\$10,000, one year, at 5½ per cent.	550.00	
	<hr/>	
	\$14,250.00	
Less coupons unpaid . . .	65.00	
	<hr/>	
	\$14,185.00	
Sundry Persons, unpaid coupons	65.00	
	<hr/>	
		<u>\$14,250.00</u>

WATER MAINTENANCE.

CREDIT.

Balance from 1894		\$ 311.01
City of Boston, Water Rates, amount appropriated, transferred		34,000.00
Water Services, amount transferred		1,570.00
Cash, received of Sundry Persons turning off and on water	\$123.00	
F. S. Remick, manure	7.00	
T. Kilroy, replacing service pipe	16.00	
Derby, Kilmer & Pond Desk Co., labor, etc.	23.47	
Town of Winchester, fittings	30.08	
Cambridge Gas Light Co., damages	1.85	
A. A. Elston, discount on bill	8.46	
Sewers Construction account, iron pipe	146.32	
	<hr/>	\$356.18
		<hr/>
		\$36,237.19

DEBIT.

Cash, paid laborers	\$20,576.23	
Nathaniel Dennett, salary as superintendent	1,500.00	
	<hr/>	
<i>Amounts carried forward</i> . . .	\$22,076.23	\$36,237.19

<i>Amounts brought forward</i> . . .	\$22,076.23	\$36,237.19
Disbursements	67.75	
F. E. Merrill, salary as clerk . . .	1,083.37	
Disbursements	24.62	
Sidney E. Hayden, salary as engineer	1,100.00	
G. F. and S. E. Sturtevant, hay and grain	126.28	
Nathan Tufts & Sons, hay and grain	141.06	
Fulton O'Brien, hay and grain . . .	28.96	
Seward Dodge, blacksmithing etc. . .	225.71	
McDormand & Barrett, blacksmithing	12.42	
John Macauley, blacksmithing . . .	37.58	
T. J. Kineen, blacksmithing . . .	21.60	
Charles Maguire, horseshoeing . . .	60.25	
Edward O'Brien, horseshoeing . . .	53.14	
F. Dooris, blacksmithing	88.11	
I. B. Walker, repairs of wagons . . .	30.90	
R. B. Baker, repairs of wagons . . .	10.25	
David W. Crocker, repairs of wagons	20.00	
D. J. Bennett, harness work	52.40	
E. Spalding, harness work	58.35	
Hill & Hill, harness work	13.25	
Miller & Shaw, machine work	134.39	
Somerville Iron Foundry, castings	426.36	
Osgood & Hart, castings	378.33	
Davis & Farnham Mfg. Co., castings	397.07	
Perrin, Seamans & Co., tools, etc. . .	243.87	
Richard Dowd, tools	3.20	
William T. Wood & Co., tools, etc. . .	11.95	
W. W. Rawson, tools	2.65	
Bradlee, Hastings & Co., tools . . .	50.00	
<i>Amounts carried forward</i>	\$26,980.05	\$36,237.19

<i>Amounts brought forward</i> . . .	\$26,980.05	\$36,237.19
H. H. Harvey, tools . . .	2.16	
Ames Plow Co., tools . . .	1.00	
Joseph Breck & Sons, tools . . .	1.50	
H. C. Dodge, tools . . .	2.50	
Walworth Manufacturing Co., tools	66.83	
Charles L. Underhill, tools . . .	44.95	
Crescent Tool Co., tools . . .	10.50	
W. E. Plumer & Co., hardware . . .	56.90	
Howe & Flint, hardware . . .	18.25	
Whitney & Snow, hardware . . .	12.67	
G. W. Barnes, hardware . . .	15.01	
Baldwin, Robbins & Co., hard- ware	5.25	
H. W. Covell, plumbing . . .	16.12	
Smith & Anthony Co., fittings . . .	246.40	
James Gurney & Co., fittings . . .	8.25	
Boston Lead Manufacturing Co., lead	537.39	
Jaques Brothers, pattern work . . .	99.48	
Boston Belting Co., hose . . .	7.94	
Boston Woven Hose & Rubber Co., hose	187.65	
Horatio Wellington & Co., fuel . . .	454.07	
Smith & Wiley, fuel	420.00	
George C. Emerson, fuel . . .	30.30	
Dominion Coal Co., fuel . . .	123.36	
J. A. Porter, fuel	7.50	
E. B. Vreeland, fuel	10.50	
F. W. Estabrook, fuel	6.40	
J. McCarthy's Sons, charcoal . . .	15.00	
Thomas Wood, mason work . . .	82.90	
I. G. Martin & Co., leather . . .	31.50	
George D. Goodrich, drain pipe . . .	7.58	
Charles A. Holmes, drain pipe . . .	1.00	
Joseph Flemming & Co., repair- ing chairs	1.50	
<i>Amounts carried forward</i> . . .	\$29,512.41	\$36,237.19

<i>Amounts brought forward</i>	\$29,512.41	\$36,237.19
F. N. Downe, repairing chairs	3.05	
John B. Safford, repairs of ringer	1.75	
Joseph Young, repairs of mower	1.00	
H. R. Worthington, repairs of pump	33.12	
Edson Manufacturing Co., repairs of pump	7.13	
Star Brass Manufacturing Co., repairs	.50	
Smith Premier Typewriter Co., repairs	4.45	
J. Baker & Co., rope	15.52	
Frank J. Scott, wire	1.21	
Chelmsford Iron Foundry Co., stove	8.50	
Thomas Hollis, sponges	5.63	
Cutler Brothers & Co., soda ash	11.90	
James Bartley, soap	3.23	
Alden Spear's Sons & Co., soap	13.17	
E. S. Conant & Co., salt	8.25	
Combination Oil Dressing Co., oil	3.00	
Samuel Walker Oil Co., oil	23.12	
New England Oil Co., oil	7.83	
Standard Oil Co., oil	5.05	
Royal Harness Oil Co., oil	2.75	
Charles L. Davenport, salt	18.40	
Dennison Manufacturing Co., tags	2.30	
Frank E. Fitts Manufacturing & Supply Co., waste	15.39	
J. H. Mongan, boots	10.50	
Champion Flue Scraper Co., scraper	4.50	
Star Pipe Jointer Co., jointers	26.84	
Frank A. Titus, gas bracket	1.65	
<i>Amounts carried forward</i>	\$29,752.15	\$36,237.19

<i>Amounts brought forward</i> . . .	\$29,752.15	\$36,237.19
J. Baker & Co., canvas . . .	19.95	
F. W. Barry, Beale & Co., stationery	6.75	
Thomas Groom & Co., stationery	87.60	
Somerville Journal Co., printing	26.00	
J. H. H. McNamee, binding . .	1.00	
Frost & Adams, ink	3.43	
Sampson, Murdock & Co., directories	7.00	
W. A. Greenough & Co., directories	2.00	
George H. Walker & Co., maps	4.00	
W. W. White & Co., mounting maps . . . . .	.75	
G. W. Bromley & Co., atlas . .	20.00	
Boston Bolt Co., bolts	11.80	
William F. Low, oil cabinet, etc.	81.47	
S. W. Fuller, lumber	192.65	
A. A. Elston, lumber	45.46	
I. H. Brown & Co., lumber . . .	3.00	
J. W. Hoffman & Co., paint . .	146.64	
Waldo Brothers, bricks	27.88	
Smith & Winchester Co., jack .	14.40	
George H. Sampson, powder . .	30.12	
S. J. Wood, keys	3.00	
Chapman Valve Manufacturing Co., valves	67.26	
Peet Valve Co., gates	131.00	
T. Fred. King, painting stand-pipe	80.00	
C. Caseau, painting	32.00	
George W. Trefren, Jr., carpentering	36.73	
George A. Richards, labor, etc.	52.50	
Boston & Maine Railroad, labor	9.60	
Thomas Allen, sand	15.50	
<i>Amounts carried forward</i> . . .	<hr/> \$30,911.64	<hr/> \$36,237.19

<i>Amounts brought forward</i>	\$30,911.64	\$36,237.19
John Silk, sand	4.00	
Holyoke Hydrant & Iron Works, repairs of hydrant	7.60	
Fitchburg Railroad Co., freight	21.30	
Fresh Pond Ice Co., ice	15.60	
H. D. & W. S. Durgin, ice	5.00	
Globe Gas Light Co., fittings	1.40	
Henderson Brothers, wagon, etc.	305.00	
Cambridge Gas Light Co., gas	30.22	
Somerville Electric Light Co., lighting	48.00	
City of Boston, water	26.60	
New England Telephone & Tele- graph Co., rentals and tolls	316.33	
H. S. Garcelon, use of telephone	1.65	
Charles E. Farnham, expressing	.75	
Lombard & Bowman, medicine	4.30	
A. Ward Follett, medical attend- ance	18.00	
Charles R. Simpson, veterinary services	11.25	
T. F. Crimmings, teaming	325.35	
Thomas Walsh, teaming	45.00	
Ellen Walsh, teaming	59.00	
Christopher Burke, teaming	64.00	
Richard Falvey, teaming	80.00	
George F. McKenna, teaming	104.00	
Owen Cunningham & Son, team- ing	10.00	
Martin Gill, teaming	20.00	
Charles S. Robertson, premium of insurance	235.00	
Jennie Cooper, compensation for damages	25.00	
Sadie I. Pettengill, compensation for damages	25.00	
<i>Amounts carried forward</i>	<u>\$32,720.99</u>	<u>\$36,237.19</u>

<i>Amounts brought forward</i>	\$32,720.99	\$36,237.19
James Colgan, compensation for damages	10.00	
Thomas Hanson, compensation for damages	15.00	
John McNamara, compensation for damages	500.00	
M. L. McLeod, compensation for damages	15.00	
Somerville Towel Supply Co., towels	1.70	
	<hr/>	
	\$33,262.69	
Balance to credit in account 1896	2,974.50	
	<hr/>	
		<u>\$36,237.19</u>

WATER SERVICES.

CREDIT.

Cash received of Somerville Hospital, pipe fittings, etc.	\$17.55
George R. Turner, pipe fittings, etc.	26.28
Frank G. Coburn & Co., pipe fittings, etc.	10.80
Mark Loughton, gas fittings, etc.	25.70
Skilton, Foote & Co., valve	1.75
Patrick T. Houley, repairs	8.37
Susan A. Scott, repairs	9.05
H. M. Grover, repairs	2.35
M. A. Burbank, service pipe	13.20
Daniel J. Lawlor, service pipe	27.28
William N. Young, service pipe	2.10
Louise M. Ellis, service pipe	17.35
E. E. Seavey, service pipe	24.55
David Hefferman, service pipe	18.10
George W. Hadley, service pipe	1.41
Sprague & Hathaway Co., service pipe	35.75
	<hr/>
<i>Amount carried forward</i>	\$241.59

<i>Amount brought forward</i>	\$241.59
Henry E. Wright, service pipe	13.05
George Wilde, service pipe	8.70
W. K. Lewis & Co., service pipe	43.85
John E. Kelley, service pipe	16.55
C. C. Warren, service pipe	4.30
Heirs of E. R. Sawyer, service pipe	7.69
Nathan Tufts Park, service pipe	12.02
Schoolhouse Incidentals account, service pipe	17.30
	<hr/>
	\$ 365.05
Water Service Assessments, cost of services laid	6,180.00
	<hr/>
	\$6,545.05

DEBIT.

Cash, paid laborers	\$2,346.68	
Sumner & Goodwin, fittings	823.43	
Smith & Anthony Co., fittings	216.40	
Chapman Valve Mfg. Co., fittings	22.71	
Standard Brass Co., fittings	289.23	
Gilchrist & Taylor, fittings	26.68	
E. M. Dart Mfg. Co., fittings	21.60	
Perrin, Seamans & Co., fittings	154.84	
Somerville Iron Foundry, cast- ings	151.44	
Osgood & Hart, castings	149.13	
Boston Lead Mfg. Co., pipe	273.20	
Walworth Construction & Sup- ply Co., pipe	178.24	
New England Water Pipe Co., pipe	42.15	
Waldo Brothers, cement	37.50	
Hall Brothers, service boxes	111.89	
Boston Woven Hose & Rubber Co., washers	1.72	
	<hr/>	
<i>Amounts carried forward</i>	\$4,846.84	\$6,545.05

<i>Amounts brought forward</i>	.	\$4,846.84	\$6,545.05
Boston Belting Co.	.	9.30	
Williams & Company, soapstone	.	2.50	
J. T. Ham, hay	.	59.96	
Robert Josselyn, mittens	.	6.75	
Nathan Tufts & Sons, grain	.	48.70	
Joseph Breck & Sons, chain	.	1.00	
		<hr/>	
		\$4,975.05	
Water Maintenance, balance			
transferred	.	1,570.00	
		<hr/>	
			<u>\$6,545.05</u>

WATER SERVICE ASSESSMENTS.

CREDIT.

Cash, received of Sundry Persons, water services	.	\$6,246.75
Balance to debit in account 1896	.	17.65
		<hr/>
		\$6,264.40

DEBIT.

Balance from 1894	.	\$ 84.40
Water Services, pipes laid in 1895	.	6,180.00
		<hr/>
		<u>\$6,264.40</u>

WATERING STREETS.

CREDIT.

Appropriations, amount assessed	.	\$ 6,000.00
Cash, received of abutters	.	8,088.04
Excess and Deficiency, balance to debit of		
account	.	703.67
		<hr/>
		\$14,791.71

DEBIT.

Cash, paid N. C. Barker, overseeing	\$ 680.00
George W. Prichard, watering	547.78
A. M. Prescott, watering	547.78
	<hr/>
<i>Amounts carried forward</i>	<u>\$1,775.56</u>
	<u>\$14,791.71</u>

<i>Amounts brought forward</i>	\$1,775.56	\$14,791.71
G. W. Cummings, watering	544.51	
George F. McKenna, watering	541.25	
Henry J. Turner, watering	531.43	
Charles Booth, watering	528.17	
Richard T. Blackwell, watering	518.35	
Henry Gray, watering	508.55	
Benjamin Thomas, watering	508.55	
R. A. R. Benson, watering	498.73	
Thomas F. Casey, watering	492.20	
T. F. Crimmings, watering	492.20	
John F. Elkins, watering	470.16	
Richard Falvey, watering	476.46	
Wm. J. McCarthy, watering	470.16	
C. T. Shean, watering	489.05	
R. M. Sturtevant, watering	457.57	
Wm. Horrell, watering	151.11	
James Horrell, watering	319.05	
J. A. Marsh, watering	335.34	
Seward Dodge, repairs of carts	21.52	
F. Dooris, repairs of carts	1.00	
Charles L. Underhill, repairs of carts	1.10	
R. B. Baker, repairs of carts	.75	
Charles W. Ingalls, repairs of carts	.90	
Citizen Publishing Co., advertis- ing	9.75	
Somerville Journal Co., advertis- ing	7.50	
Thomas Groom & Co., book	.50	
Wilbur P. Rice, lumber	2.52	
L. A. Wright, blacksmithing	10.20	
J. L. & H. K. Potter, watering cart, etc.	333.25	
City of Boston, water	4,294.32	
		<u>\$14,791.71</u>

WATER WORKS EXTENSION.

CREDIT.

Balance from 1894		\$ 1,639.27
City of Boston Water Rates, amount appropriated .		31,000.00
Cash, received of North Packing and Provision Co., pipe fittings, etc.	\$195.64	
New England Dressed Meat & Wool Co., pipe fittings, etc. .	36.98	
Lowell Rendering Co., pipe fittings, etc.	196.69	
Metropolitan Sewerage Commis- sion, pipe fittings, etc. . . .	35.00	
Niles Brothers, pipe fittings, etc.	21.51	
Derby, Kilmer & Pond Desk Co., pipe fittings, etc.	150.02	
Howe & Flint, pipe	4.58	
Isaac Coffin & Co., pipe, etc. .	70.04	
Fred Bailey, labor and materials	20.00	
Sewers Construction account, pipe	12.70	
	<hr/>	\$743.16
		<hr/>
		\$33,382.43

DEBIT.

Cash, paid laborers	\$ 5,535.31	
Holyoke Hydrant & Iron Works, hydrants	1,674.00	
Boston Lead Manufacturing Co., lead	1,316.95	
E. I. Braddock, lead	49.53	
Peet Valve Company, gates .	1,457.25	
R. D. Wood & Co., iron pipe .	20,091.55	
Sumner & Goodwin, pipe .	32.22	
Davis & Farnum Manufacturing Co., castings	831.75	
	<hr/>	
<i>Amounts carried forward . . .</i>	\$30,988.56	\$33,382.43

<i>Amounts brought forward</i> . . .	\$30,988.56	\$33,382.43
Osgood & Hart, castings . . .	796.35	
Somerville Iron Foundry, cast- ings	336.90	
Boston & Maine Railroad, freight	441.89	
Fitchburg Railroad, labor . .	9.42	
Walworth Manufacturing Co., boxes	31.41	
Nathan Tufts & Sons, grain . .	28.24	
G. F. & S. E. Sturtevant, grain .	77.63	
The Fairbanks Co., valves . .	19.20	
Frank E. Fitts Mfg. & Supply Co., packing	21.00	
	<hr/>	
	\$32,750.60	
Balance to credit in account 1896	631.83	\$33,382.43
	<hr/>	<hr/>

TABLE D.

BALANCES DECEMBER 31, 1895.

Cash	\$ 73,103.06	
Public Property	2,356,620.40	
Real Estate Liens	3,050.88	
Sewer Assessments	4,624.03	
Sidewalk Assessments	5,395.47	
State of Massachusetts, Burial of Indigent Soldiers and Sailors	280.00	
State of Massachusetts, Indigent Soldiers and Sailors	310.00	
State of Massachusetts, State Aid	7,320.50	
Taxes	246,195.06	
Water Service Assessments	17.65	
Excess and Deficiency		\$ 1,231.33
Fire Department, Fire Station, Ward One		9,208.22
Funded Debt		1,506,500.00
Highways, Paving Medford Street, Somerville Avenue to Cambridge Line		13,249.41
Highways, Paving Washington Street, Tufts to Joy Street		3,800.00
Overlay and Abatement		329.58
Overplus on Tax Sales		102.13
Property and Debt Balance		850,120.40
Public Library		120.34
Reduction of Funded Debt		10,438.33
Schoolhouse, Ward Four		30,479.78
Sewers Construction		41,791.10
Sewers		50,000.00
Sundry Persons		940.10
Temporary Loans		175,000.00
Water Maintenance		2,974.50
Water Works Extension		631.83
	<u>\$2,696,917.05</u>	<u>\$2,696,917.05</u>

E

REPORT

OF THE

SCHOOL COMMITTEE.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 30, 1896.

Referred to the Committee on Printing, to be printed in the annual reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, January 30, 1896.

Referred to the Committee on Printing, to be printed in the annual reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

• CITY OF SOMERVILLE.

SCHOOL COMMITTEE ROOMS, SOMERVILLE,
January 18, 1896.

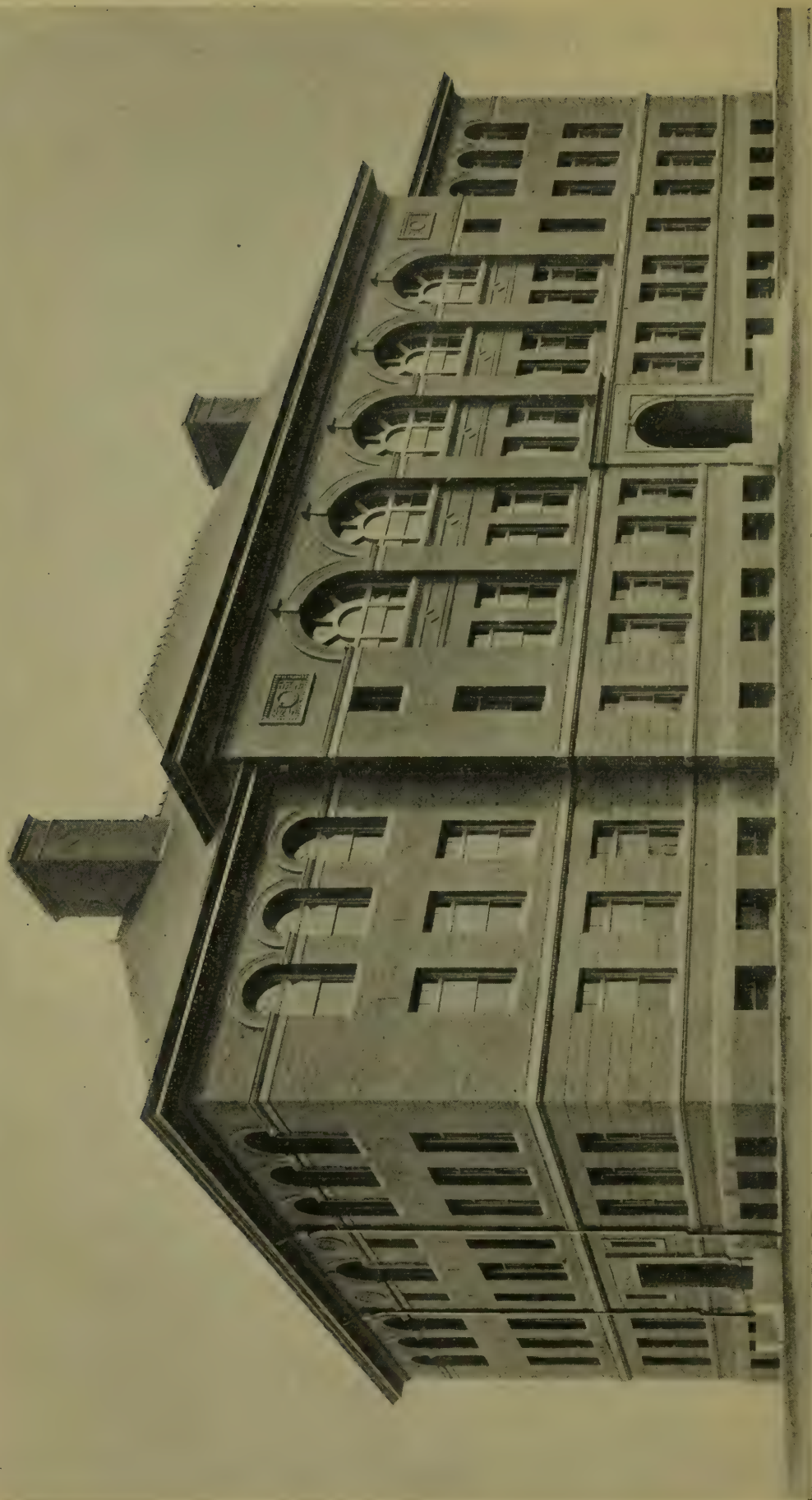
TO THE CITY COUNCIL OF SOMERVILLE:—

Gentlemen,— At a meeting of the Board of School Committee held December 30, 1895, it was

Voted: That the Annual Report of the Superintendent be adopted as the Annual Report of the Board of School Committee; that the same be referred to the City Council, with a request to incorporate it in the annual reports; and that 800 copies be printed in separate form.

Respectfully,

G. A. SOUTHWORTH,
Secretary of the School Board.



ENGLISH HIGH SCHOOL.

SCHOOL COMMITTEE, 1895.

HON. WILLIAM H. HODGKINS, Mayor, *Chairman, ex officio.*

L. HERBERT HUNTLEY, President of the Common Council, member
ex officio.

MEMBERS.

WARD ONE.

	Residence.	Term expires.
GEORGE S. POOLE,	46 Mt. Vernon street,	January, 1896
SANFORD HANSCOM,	1 Webster street .	" 1897
S. NEWTON CUTLER,	28 Flint street .	" 1898

WARD TWO.

HERBERT A. CHAPIN,	41 Walnut street .	January, 1896
THOMAS M. DURELL,	23 Bow street .	" 1897
ALVAH B. DEARBORN,	34 Bow street .	" 1898

WARD THREE.

QUINCY E. DICKERMAN,	85 Central street .	January, 1896
THOMAS S. WENTWORTH,	350 Broadway .	" 1897
FRANK H. HARDISON,	192 Central street .	" 1898

WARD FOUR.

GILES W. BRYANT,	296 Elm street .	January, 1896
MARTIN W. CARR,	74 Craigie street .	" 1897
GEORGE A. MILES,	417 Highland avenue .	" 1898

SCHOOL COMMITTEE, 1896.

HON. ALBION A. PERRY, Mayor, *Chairman, ex officio.*

GEORGE E. WHITAKER, President of the Common Council, member
ex officio.

MEMBERS.

WARD ONE.

	Residence.	Term expires.
SANFORD HANSCOM,	1 Webster street	January, 1897
S. NEWTON CUTLER,	28 Flint street	" 1898
GEORGE S. POOLE,	46 Mt. Vernon street	" 1899

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THOMAS M. DURELL,	23 Bow street	January, 1897
ALVAH B. DEARBORN,	34 Bow street	" 1898
HERBERT A. CHAPIN,	41 Walnut street	" 1899

WARD THREE.

THOMAS S. WENTWORTH,	350 Broadway	January, 1897
FRANK H. HARDISON,	192 Central street	" 1898
QUINCY E. DICKERMAN,	85 Central street	" 1899

WARD FOUR.

MARTIN W. CARR,	74 Craigie street	January, 1897
GEORGE A. MILES,	417 Highland avenue	" 1898
GILES W. BRYANT,	296 Elm street	" 1899

The Board holds its regular meetings on the last Monday evening of each month at 8 o'clock.

GORDON A. SOUTHWORTH,

Secretary and Superintendent of Schools.

Office, English High School building. Residence, 40 Greenville street.

STANDING COMMITTEES, 1896.

- ENGLISH HIGH SCHOOL.— *Hanscom*, Chapin, Dickerman, Poole, Carr.
LATIN HIGH SCHOOL.— *Cutler*, Bryant, Hardison, Durell, Dearborn.
EAST SOMERVILLE DISTRICT.— *Cutler*, Poole, Hanscom.
PROSPECT HILL DISTRICT.— *Dearborn*, Chapin, Whitaker, Durell.
WINTER HILL DISTRICT.— *Hardison*, Dickerman, Perry, Wentworth.
SPRING HILL DISTRICT.— *Carr*, Miles, Bryant.
WEST SOMERVILLE DISTRICT.— *Miles*, Bryant, Carr.
RULES AND REGULATIONS.— *Dickerman*, Cutler, Miles, Chapin.
FINANCE.— *Carr*, Whitaker, Hardison, Poole.
ADDITIONAL SCHOOL ACCOMMODATIONS.— *Perry*, Cutler, Dearborn, Hardison, Carr.
REPAIRS.— *Poole*, Carr, Dearborn, Wentworth, Miles.
SUPPLIES.— *Hardison*, Durell, Poole, Bryant.
TEXT-BOOKS.— *Bryant*, Dickerman, Hanscom, Wentworth, Chapin, Cutler, Durell.
INDUSTRIAL EDUCATION.— *Chapin*, Carr, Cutler, Dickerman.
MUSIC.— *Wentworth*, Miles, Hanscom, Chapin.
EXAMINATION OF TEACHERS.— *Miles*, Hardison, Poole, Durell.
SALARIES.— *Durell*, Bryant, Wentworth, Hanscom.
EVENING SCHOOLS.— *Dearborn*, Hanscom, Dickerman, Bryant.
PRIVATE SCHOOLS.— *Poole*, Miles, Wentworth, Dearborn.
-

EXAMINATION COMMITTEES.

- NINTH CLASS.— *Dickerman*, Chapin.
EIGHTH CLASS.— *Bryant*, Dearborn.
SEVENTH CLASS.— *Miles*, Hardison.
SIXTH CLASS.— *Hanscom*, Carr.
FIFTH CLASS.— *Wentworth*, Cutler.
FOURTH CLASS.— *Durell*, Poole.

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ANNUAL REPORT
OF THE
SUPERINTENDENT OF SCHOOLS
FOR
1895.

TO THE BOARD OF SCHOOL COMMITTEE:—

The twenty-fourth annual report of the Superintendent of Schools for the year ending December 31, 1895, is respectfully submitted, being the third of the present incumbent of the office, and the fifty-third of the school department of the municipality.

In the preparation of this report three things have been borne in mind:

First, it is a report to the School Board by its executive officer, and should contain a résumé of the work of the schools for the year, show something of their present condition, and embody suggestions for their future conduct.

Secondly, if the custom of recent years is followed this report will become the report of the School Board to their fellow-citizens, who have entrusted to them the direction of those interests which most closely concern the welfare of the home and the State, and who desire to know not only whether the money so freely given has been wisely expended, but also whether everything possible has been done for the promotion and attainment of those ends for which schools are established.

And thirdly, it has not been forgotten that this report is the only official and permanent record of events in our educational history, that it is to become a part of the archives of our city, and that years hence it may be consulted by the historian for facts and information not otherwise accessible. These considerations may justify its somewhat miscellaneous character.

The year 1895 has been a prosperous one in the school history of Somerville. There have been the usual discouragements and obstructions of progress incident to lack of suitable accommodations, but freedom from the interruptions of sickness and storm, interest, enthusiasm, and fidelity on the part of teachers and pupils, the generous appropriations of the city government, and the practical wisdom and support of the School Board have combined in the accomplishment, to a satisfactory degree, of those objects for which the schools are maintained.

SUMMARY OF STATISTICS, 1895.

Population of Somerville, State Census	52,200
School population, May 1	8,510
Children attending school in December	9,609
Attending private schools " "	1,418
Attending public schools " "	8,191
Attending High Schools " "	742
Attending Grammar and Primary schools in December	7,449
Entire enrollment for year	9,914
Average number belonging	7,617
Average number attending	7,255
Per cent of daily attendance	95.24
Number of school buildings	24
Valuation of school property	\$813,200.00
Number of classrooms	173
Number of teachers in December	209
Salaries of teachers for 1895	\$139,712.87
Salaries of officers	\$4,400.00
Cost of books and supplies	\$15,063.16
Cost of water and light	\$1,398.01
Cost of janitors' services	\$11,581.00
Cost of fuel	\$8,795.91
Total cost of day and evening schools	\$180,950.95
Cost for each pupil in average membership	\$23.76
Cost for each High School pupil	\$49.79
Cost for each Grammar and Primary pupil	\$21.28
Amount paid for new school buildings	\$87,679.64
Cost of repairs for year	\$15,650.97
Entire expenditures for all school purposes, 1895	\$284,281.56
Expended by School Board	\$160,574.04
Expended by City Government	\$123,707.52
Valuation of City	\$46,406,300.00
Per cent of valuation spent to maintain schools	0.390
Per cent of valuation spent for all school purposes	0.613

COST OF THE SCHOOLS.

The per capita cost of the schools for the year is \$23.76 as compared with \$22.90 for 1894. This increase of 86 cents is due to the increased cost of the High schools, which is \$49.79 as against \$31.34 for the last year. The cost of the Grammar and Primary schools has been \$21.28 per capita for 1895. For 1894 it was \$22.12. This shows a decrease of 84 cents in this direction.

This increase in the cost of the High schools is exceptional and to a large extent temporary. It is caused mainly by the expense of equipping the English school with books and apparatus, about \$6,000 having been spent for that purpose. In view of the addition of seven practically new departments to our High School courses, and the adoption to a large extent of the elective system, we must expect that our High School expenses will be materially increased. Moreover, it must be remembered that for several years, owing to the use of the two-session plan and the assignment of unduly large numbers of pupils to a teacher, the per capita expense of the High School has been kept at a very low rate.

There has been expended for the support of Kindergartens \$1,122.50, an average of \$12.61 for each of the 89 children belonging.

Unlike the expenditures of most departments of the city government, the sum required to maintain the schools for a year can be estimated with comparative exactness. It cannot be reduced without great loss to the schools. Teachers must be paid, books and supplies must be provided. At the opening of the year the School Board called for \$140,450 for teachers' salaries; all but \$738 of this sum was expended, although the amount appropriated by the City Council was exceeded by \$5,712; \$20,850 was the estimated cost of supplies and supervision, but the appropriation for the purpose was only \$18,000. The expenditures were \$11.17 more than the estimate. In view of these facts, is not the custom of cutting down the estimates of the Board and compelling an overdrawal of the appropriation one to be deprecated as creating a wrong impression regarding the ability of the Board to estimate the demands of the schools for the year?

While the amount spent for the maintenance of our schools seems large, it will be noticed that there are 223 cities and towns in the State that spent more in proportion to their wealth than Somerville, and that among the thirty cities of the State we stood seventeenth in the percentage of taxable property paid for the support of public schools, in 1894.

ADDITIONAL SCHOOL ACCOMMODATIONS.

It would be an exceptional school report that did not chronicle growth in the population of our city, and call for an increase in our school accommodations.

There are 542 more children in Somerville to-day than there were a year ago. This increase will fill 12 schoolrooms. Ward Four has furnished by far the larger proportion of this increase. The request of the Board, made at the beginning of the year, for a twelve-room building in Holland street was promptly granted by the City Council, and the work of construction was begun early in May. We may always expect the building of a large schoolhouse to occupy at least a year. In this case, however, delays have arisen for which the committee in charge are in no wise responsible, and the building will not probably be ready until next September. In the meantime the West Somerville schools continue to suffer from constantly increasing numbers. Before relief is afforded more than two hundred children will have had only half-time instruction for the year, while many more will have been crowded together under conditions prejudicial alike to comfort and progress. This illustrates the necessity of making earlier provision for the inevitable demands of the future. Similar failure in private enterprises would indicate lack of foresight and business sagacity. The same conditions exist in perspective to-day, in other parts of the city, and should be anticipated by the immediate construction of suitable school buildings.

When the Holland-street building is completed it will be immediately filled by a westerly movement of children from the Morse, Burns, and Highland schools. The long-suffering Lincoln School will be relieved, and one room in the Cedar-street schoolhouse be rendered available for kindergarten purposes.

So long as our present rate of increase continues we must expect to supply at least ten schoolrooms each year. The demand for the coming year seems to point in the direction of increased accommodations in Wards One and Three. Last year, at this time, we urged the necessity and advisability of a new building on the lot adjoining the Prescott School. This was done mainly on the ground of economy of construction, in utilizing the heating and sanitary facilities of the Prescott School. Objections made to this location have sufficient weight to lead to the selection of another site. The urgency of the

demand is unchanged. Seventy children were on half-time during three months of the year. All rooms in the district are full, and several of the classes are unduly crowded.

1. The erection of a six-room building on the site of the soon-to-be-abandoned hose house on Webster street is recommended. This location is central with respect to north and south as well as east and west lines. A portion of the land is now owned by the city. Six rooms are recommended with a view to the establishment of a kindergarten, and of cooking and wood-working rooms for the pupils of the Prescott and Edgerly schools. The remaining rooms would be immediately occupied by primary pupils.

2. The claims of the Winter Hill district come next in point of urgency. The three buildings are all crowded, and relief should in some way be afforded during the coming year. After a careful consideration of the situation we recommend the enlargement of the Glines schoolhouse by the addition of two rooms at each end. Such addition is perfectly feasible from the architect's point of view. The lot is large enough, and the entire expense would be less than \$15,000. This gives to the district what it must soon have, another full grade grammar school together with rooms for kindergartens, and cooking and wood-working schools. It would relieve the Forster and the Bingham schools. Later on a primary building in the westerly part of the district will be needed, for which land should at once be secured, but the present necessities will best be met in the manner suggested.

3. The recommendation made last year for a four-room building on Hudson street, between Waldo and Lowell streets, is renewed. Primary children in this locality are obliged to go a long distance to the Forster School. A new building here would relieve both the Forster and the Morse. The land, at least, should be secured the present year, as next year a suitable site will probably not be available.

4. While the relief afforded by the completion of the Holland-street School will prevent our crowding the Beach-street School as at present, still a new building on this site is much needed. The building was never designed for a schoolhouse. It is a relic of a by-gone age. It is dark, gloomy, and unsuitable, and parents who object to sending their children into such quarters display good judgment, demand only the rights that others enjoy, and are entitled to sympathy and consideration.

5. When the Durell School was opened it was thought that the needs of that part of the city were met for some years. It was found necessary, however, at the end of the first year of its occupancy to transfer the fourth grade from that school to the Franklin. Decided objections were made by parents to their children crossing the railroad, but no other plan was feasible.

Another four-room building on Washington street, near Calvin, is therefore greatly needed. It would accommodate children in the western part of the Prospect Hill district for whom we have been obliged to use the ward-room in the Knapp School. It would prevent little children crossing the railroad tracks at grade; it would furnish room for a kindergarten, very much needed in that vicinity; it would accommodate forty children that we are obliged to place on half-time each year, and it would secure that consummation so devoutly to be wished, the abandonment of the alleged schoolhouse that has so long borne the name of an honored university.

The call for five new school buildings may seem extravagant, if not presumptuous, but it requires but a brief survey of the situation to show that these buildings are essential to the promotion of the welfare of our schools. The time of their construction must be determined by financial considerations, but every year's delay is at the expense of interests vital to the welfare of our city.

DISTRICT LINES.

At the present time 30 per cent of the primary and grammar schools of the city are under the direction of the committee of Ward Four, 33 per cent are in charge of the Ward Two committee, while that of Ward Three has the care of only 19 per cent, and that of Ward One of 18 per cent.

It is difficult to tell on what basis existing district lines were established. They are not coincident with ward lines. Evidently they were not intended to separate schools and pupils into four practically equal divisions, for the present disparity of numbers existed when the lines were originally drawn, twenty years ago. It is probable that the work of the committee and the convenience of residents could best be promoted by the arrangement then made. Since that time, however, the population of the city and the number of its schools have increased two and one-half times. Localities formerly uninhabited are now thickly peopled, and school buildings

once centrally located do not now well accommodate large numbers of our population. Public convenience should determine the location of new school buildings regardless of existing district lines; nor should these lines affect in any way the assignment of pupils to one school or another, as demanded by the interests of the schools or the convenience of their patrons. In illustration of what has been said, attention is called to the district bounded by Central street, Highland avenue, Lowell street, and the Lowell railroad. When this was made part of the Winter Hill district, it contained but two or three houses, located nearest the Forster School; now, however, this section is built over, and sends about seventy-five pupils to that school. The distance is too great for primary-school children,—hence, the recommendation for a schoolhouse in this locality that shall accommodate its residents, together with the newly peopled northerly slope of Spring Hill.

Again, the Cummings School is located near the border of the Prospect Hill district. It now, very properly, receives pupils from the Spring Hill district, and would afford much better accommodation than is now given to primary children living between Highland avenue and the Lowell railroad, as far west as Sycamore street.

The new schoolhouse which we hope soon to see erected on Washington street, should relieve the Spring Hill and the Prospect Hill districts in about equal degree. It is very evident, therefore, that, if we continue to look upon a new schoolhouse as a purely district affair, public interests will not be well conserved. This is an important matter which the adoption of a new city charter may regulate. In the interim, present district lines should be disregarded in the assignment of pupils and the location of new buildings.

ATTENDANCE.

The schools of Somerville have kept just thirty-seven weeks this year, the remaining three weeks of the forty during which schools are supposed to keep, having been lost in holidays or stormy sessions, of the latter of which there have been but three. In 1894, four weeks were lost in this way. Some loss of time is inevitable, but it should be reduced to a minimum, for every day's omission is an interruption to the regular work of the school. The financial loss to the city is easily calculated. We pay \$180,000 for 200 days' schooling for 8,000 children. For every day the schools are dismissed the

city pays \$900 and receives no return. For three weeks' loss the sum of \$13,500 is paid out and no value received.

Ninety-five and one fourth per cent of the children belonging to the schools have been present every session, an unprecedented record for the city and probably unsurpassed by any city in the country. Yet this absence of five per cent is equivalent to an expenditure of \$9,000 for which nothing is received. The matter is presented in this way to call attention to the importance of every hour of school time. In this connection it is gratifying to record that tardinesses have decreased nine per cent and dismissals twenty-eight per cent during the year. Children who are late but once in a thousand times, and who even less frequently leave their tasks until they are finished, are fixing habits of promptness and attention to business that will be of the greatest advantage in their future careers.

There was a slight increase in the evil of truancy during the year, the officer reporting ninety-eight cases and eight truants sent to the reformatory school. Leniency in the treatment of habitual truants is a mistaken kindness. They are too often criminals in embryo, and where reform under ordinary influences seems improbable, the good of the offenders as well as of the community demands that they be promptly placed where their pernicious influence will not be felt.

It is a pleasure to record the fact that appeals to force on the part of teachers are growing less frequent from year to year. The instances where this was thought necessary in 1895 were considerably fewer than in 1894 and one half of those in 1893. This indicates a steady growth of moral power on the part of teachers and presages the time in the not distant future when the teacher who confesses her weakness by the use of the rod will be rare and exceptional.

In April, 384 children were admitted to the first grade, 320, or 60 per cent, of whom were put on half-time till the end of the school year. It is still an open question whether the good of the large majority would not be conserved by declining to admit children in April until the capacity of our school buildings has overtaken our needs.

The occasional absence of teachers for personal illness or equally imperative causes is of course unavoidable. Nevertheless it is a serious interruption to business. The vote of the Board to employ permanent substitutes will doubtless minimize the evil. During the

year the attendance of teachers has been 97.8 per cent. There have been 1,231 half-days' absence of teachers from personal sickness, for which they have received the sum of \$1,571.51. From other causes teachers have been absent 320 half-days. The entire sum paid to substitute teachers for the year is \$1,441.37.

TEACHERS.

There are now in the employ of the city 209 teachers, three of whom are assistants in training without pay. Nineteen teachers have resigned during the year,—two on account of ill health, two for larger salaries elsewhere, two for advanced courses of study, two have relinquished teaching, and ten have left us for the more congenial occupations of married life. Of these nineteen teachers, one had taught in Somerville thirteen years and another twelve years, while the average term of service in our city of the remaining seventeen was but three and a half years.

Forty-one teachers have been newly elected during the year, seventeen of whom were chosen for positions in the English School. With very few exceptions these teachers were found successfully employed elsewhere, and are proving the wisdom of their selection by the efficient service they are now rendering.

It is growing more and more difficult to secure and retain good teachers. We cannot impose vows of celibacy. We are not able to compete with richer municipalities. Former poaching grounds are now closed to us by increased salaries. Health will fail and ambition or taste will lead into other pursuits. The standard of excellence is being constantly raised. The demand exceeds the supply. Increased exactions and enlarged courses call for a wider range of attainment. The colleges for women take many of those who otherwise would train in normal schools, and these college graduates aspire to high school work. Hence much of the time of the Superintendent, which he would prefer to devote to other duties, is spent in the search for good teachers.

But, after all, can he or any one else do more for the schools than to supply them with teachers, trained, educated, refined, sympathetic, tactful, just, enthusiastic, amiable, devoted to their work, willing to co-operate with their associates, influenced by high motives, fit exemplars for those whom they teach?

The long-talked-of training school for Somerville must soon become a reality. A school like the Bingham, for instance, might be placed under the charge of four expert teachers,—we have them among us,—and normal graduates — none others — received, paid a small salary, and given that training and experience that are the prerequisites of successful teaching. No additional expense would be incurred, for the extra compensation of the experts would be offset by the reduced rates paid to teachers in training. The matter is again respectfully recommended to the Board for consideration.

ENGLISH HIGH SCHOOL.

The most important event, both of the year and in the educational history of Somerville, was the separation of the High School into two divisions, to be known as the English High School and the Latin High School. The long struggle against overwhelming numbers, the many discussions as to methods of relief, the grand record of the school and its teachers in the face of serious obstacles, — all are too well remembered to need recalling.

The High School outgrew its accommodations ten years ago. In 1891 the plan of establishing a separate English School was suggested by the Superintendent of Schools, Mr. C. E. Meleney, and ably and enthusiastically urged by him for two years. In January of 1893, the High School Committee presented a report reviewing the condition of the High School and its method of working under the modified two-session plan, and containing the following recommendation, which was adopted as the recommendation of the Board:—

“We renew and emphasize the recommendations of former committees, that the City Council be requested to take immediate measures for the erection of a building adapted for use as an English High School to be located in Central Park, west of the present High School building.”

The Committee on Additional School Accommodations reported the following recommendations, which were unanimously adopted as the recommendations of the Board and referred to the City Government:—

1. The purchase of the first Unitarian Church property on Central Hill, and its use to accommodate the overflow of the High School.

2. The immediate erection of a completely equipped English High School building.

After the usual discussions and conferences, both of these recommendations were adopted by the City Council. The Unitarian Church property was purchased for the sum of \$45,000, and an appropriation of \$80,000 made for the construction of an English High schoolhouse. Several plans were submitted by architects, and those of Hartwell, Richardson & Driver were accepted. Ground was broken December 5, 1893, and the work progressed without serious interruption until the building was ready for occupancy, September 3, 1895. The work was begun under the direction of the Committee on Public Property, consisting of the following named gentlemen: Edric Eldredge, Chairman, John Andrews, Franklin E. Huntress, Frank W. Kaan, Wilfred B. Rich.

It was continued by the committee of 1894: John Andrews, Chairman, Edmund S. Sparrow, George H. Russ, Josiah N. Pratt, Frederick W. Parker, and completed under the direction of the Committee of 1895: Edmund S. Sparrow, Chairman, Leonard B. Chandler, Josiah N. Pratt, Frederick W. Parker, James M. Andrews.

The building is admirably planned and thoroughly constructed throughout, thanks to the efficiency of the several committees and the unflagging zeal, energy, and watchfulness of Chairmen Andrews and Sparrow, to whom the city is greatly indebted for their labors in this connection.

The cost of the building is as follows:—

COST OF THE ENGLISH HIGH SCHOOL.

W. S. Sampson, mason and carpenter work:

General contract	\$79,429.00
Changes and extras	9,754.31
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	\$89,183.31

James Tucker & Sons:

Plumbing contract	\$3,137.00
Plumbing laboratories and extras	969.00
	<hr/>
	\$4,106.00

A. A. Sanborn:

Heating apparatus for both the Latin and the	
English schoolhouses	\$26,306.00
Chimney, conduits and extras	3,078.90
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	\$29,384.90

J. F. Bubert:

Electric wiring	\$ 1,536.30
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Blodgett Bros.:

Electric clocks	429.00
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John Y. Mainland:

Laboratory fittings	3,028.00
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Hartwell, Richardson & Driver:

Architects' services	6,485.85
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Cost of furniture, gas fixtures, shades, etc.	6,148.40
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Manual Training department	3,414.65
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Miscellaneous expenditures	4,009.18
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Entire cost of building and furnishing	147,725.59
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The following description of the building has been kindly furnished by the architects. Floor plans will be found on subsequent page.

DESCRIPTION OF THE ENGLISH HIGH SCHOOLHOUSE.

(Furnished by the Architects, Hartwell, Richardson & Driver.)

The new English High School building is 152 feet long by 81 feet deep with three finished stories and a high basement. It contains 15 classrooms, 3 recitation rooms, and in the third story a large lecture room with physical laboratory and apparatus room on one side, and chemical laboratory and supply room on the other. In the rear, reaching partly into the roof and forming a fourth story, is the drawing room.

Upon the first floor, in the centre directly opposite the main entrance, are the rooms occupied by the School Committee and the Superintendent, with a book storage room and a room for receiving and unpacking books. The arrangement of these can be understood by reference to the accompanying plans.

The building is of brick with terra cotta trimmings, and is finished throughout in ash.

Fresh warmed air is forced throughout the building by means of a fan located in a central chamber at the rear of the basement, from which point it is taken by means of large galvanized iron ducts and distributed throughout the building. Steam is furnished from a battery of boilers in the basement of the old High School building, the main pipe being taken from one building to the other through a tunnel.

The air is discharged into each room at the height of about 8 feet from the floor, foul air being exhausted at the floor level and carried to four large main upcast shafts, whence it is discharged into the outer atmosphere.

Placed as it is, between the old High School at one end and the Library and City Hall at the other, it was necessary to adapt the dimensions of the building to some extent to the situation, and to avoid damaging the light of either the old or new school building by too close proximity. These considerations made it necessary to make the classrooms somewhat less as to their length east and west than would otherwise have been the case.

At present there are accommodations for 541 pupils within the building. It will be possible by a closer seating (not closer than used in some other well-known cases) to increase this number to about 700.

ORGANIZATION OF THE ENGLISH HIGH SCHOOL.

In organizing the English High School and determining its courses of study, the object has been to make the scope of its work broad enough to meet the wants of all classes of our citizens. It is the people's school. The majority of its pupils, from choice or necessity, will complete their formal education within its walls. Their needs are as varying as their tastes and their future occupations. The demands of technical and normal schools, of mercantile and mechanical pursuits, of scientific and home life must be met. All need the training which observation, study, thought, research, experiment give. All need to have developed within them the love of learning, the self-reliant spirit, the power of original investigation, tastes and aspirations for what is pure, refined, and beautiful, and above all, that moral force of character that shall make them noble men and women, respected and useful in the community in which they live.

To secure these ends the courses of study have been made broad and varied and the instructors chosen, men and women of culture and experience, worthy of respect and confidence, quick to sympathize and ready to help, full of enthusiasm for their special work, able to inspire and lead to high purpose and achievement.

Conscious that the success of the new school depends largely on the character of its principal, the committee in charge sought for that

position a gentleman and scholar possessed of executive power, tact in management, ability to instruct, and personal qualities that should win confidence and esteem. From a multitude of candidates whom they visited and interviewed, they selected Charles T. C. Whitcomb, Principal of the Wakefield High School, who was elected Principal of the school on the 29th of April.

Mr. Whitcomb was born in Thomaston, Me., in 1861. He was graduated at Amherst College in 1883, receiving the degree of A. M. for work in English. He began his work as a teacher in Sandwich, where he remained five years, during four of which he was Principal of the High School. He went to Wakefield in 1888. His conduct of the affairs of the English High School up to the present time shows that the choice of principal was wisely made.

With the assistance of the new Principal and the Superintendent a tentative course of study was outlined, and a careful selection of assistant teachers made, fitted by experience and training to carry on the work of the school in accordance therewith. It was determined at the outset that at least one third of the instructors should be men.

Frank H. Beede, Yale, '83, for years the Principal of the Wilimantic High School, was chosen sub-master. Mr. Beede's previous experience was in the High School of Weymouth.

Merle S. Getchell, Colby, '93, Principal of the Plymouth, N. H., High School, was given charge of the department of history.

John A. Avery, Harvard, '91, a teacher in the New Hampshire State Normal School, was appointed instructor in mathematics.

The department in chemistry was placed in charge of Lyman C. Newell, Brown, '90. Mr. Newell took a two-years' post-graduate course in chemistry at Brown University, where he received the degree of A. M. He pursued a similar course of three years at Johns Hopkins University, receiving the degree of Ph. D. in '95. His teaching experience was in the Pawtucket High School.

Robert B. Smith, Tufts, '95, was appointed teacher of physics. Mr. Smith was an assistant of Professor Dolbear while in college, and had previously taught in the schools of Cavendish, Vt., and Orange, Mass.

Everett W. Tuttle was chosen Superintendent of the manual training department. After fitting for Cornell University, Mr. Tuttle was trained at the Worcester Polytechnic School and subsequently took charge of the manual training department of the Atlanta

University and the wood-working department of the Providence Manual Training School, whence he came to Somerville.

A. Marion Merrill, M. I. T., '89, and first assistant in the Wakefield High School, received the appointment of first assistant and teacher of English.

Esther Bailey, Wellesley, '91, and Carrie A. Marsh, Smith, '83, were transferred from the Somerville High School as teachers of Latin and English.

Mary P. Anderson, Mt. Holyoke, '90, of the Plymouth, Mass., High School, was given charge of the department of biology.

A. Laura Batt, Wellesley, '91, of the Wakefield High School, was elected teacher of mathematics.

Alice F. Davenport, Massachusetts Normal Art School, '94, was chosen teacher of drawing.

M. Jessamine Dixon, Framingham Normal School, '87, who had ably managed the business department of the Gloucester High School for several years, and Maria B. Smith, teacher of stenography and typewriting in the same institution, were placed in charge of similar departments in the new school.

Mary P. Hitchcock, Boston University, '93, was called from her successful experience of two years in the Bridgeport, Conn., High School to take charge of modern languages.

M. Helen Teele, Boston University, '87, for several years the leading teacher in the Arlington High School, was elected teacher of history and Latin.

Lucy B. Ingram, special, Smith, '93, of the Everett High School, was elected teacher of English.

Eda L. Nichols, Emerson School of Oratory, '93, was given charge of the department of elocution and physical training.

The school opened in September with five hundred pupils. Every room was at once occupied, and the difficult work of organization and the arrangement of a programme was accomplished with little delay. The character of the school, its courses of study and its methods will be best understood by the following report of its principal.

REPORT OF THE PRINCIPAL OF THE ENGLISH HIGH SCHOOL.

MR. G. A. SOUTHWORTH, SUPERINTENDENT OF SCHOOLS,

Dear Sir:—In response to your request for a report of the English High School, concerning organization and aim, course of study, specific work and methods of its various departments, and suggestions and recommendations from the Principal regarding the present condition and future prospects of the school, I have the honor to submit the following:—

The opening of a new High School is an important event in the history of a community, and one that rarely occurs in the life of any teacher. Full of difficult problems and numberless questions requiring careful thought and deep study, it is a task as interesting, nevertheless, to the organizer as it is difficult, an experience as inspiring as it is laborious. Especially is this true in the present instance, when the Superintendent and the School Committee, the pupils and the public, all, have heartily co-operated with the Principal in his endeavor to make the English High School a success and an honor to the city.

PRELIMINARY STEPS OF ORGANIZATION.

Two important matters among others required the early attention of those intrusted with the organization of the school—the construction of a course of study, and the selection of the corps of teachers.

COURSE OF STUDY.

Many factors entered into the problem of preparing a proper curriculum in keeping with the aim of the school, the demands of the times, and the advance of modern educational thought. The recommendations of the Committee of Ten, the courses of study of the best schools in this state and beyond her borders, and the opinions of the ablest educators in the land were carefully studied. As a result it was decided to adopt a course at once conservative and progressive, one which recognizes the wisdom of certain branches of study for all pupils, but at the same time aims at the development of the individual.

Some subjects are made the broad foundation work of the school and are required throughout the course; others — and they embrace the larger part of the school work — are offered as electives, from which the pupil, with the consent of parents and the advice of instructors, is to choose such branches as suit his needs and his aptitudes. Such a course was supported by the best educational thought of the day, and its adoption was permitted and desired from the nature and purposes of the school. A brief description of the course is given below.

CORPS OF TEACHERS.

The selection of teachers was a subject requiring the largest exercise of good judgment and wisdom. From careful estimates of the number of pupils who were to enter the school in September and from the variety of elective studies in the course requiring special departmental work, it was seen that nineteen or twenty teachers would be needed at the opening of the school. This conclusion was reached by two different methods of reasoning; first, by the well-established rule that in a properly organized school a teacher is needed to twenty-five pupils; secondly, by computing from the best possible data the number of pupils and classes in each department, and from that estimate finding the number of teachers required, each instructor being expected to teach twenty-two or twenty-three periods out of the twenty-five each week.

While all calculations were liable to be wrong, as they were not founded upon actual information, it is interesting and gratifying that the estimate proved a correct one. Nineteen teachers constitute the teaching force, and the average membership of the school during the month of September was four hundred and eighty-seven (487), an average of over twenty-five (25) to each teacher. Omitting the Principal, whose time has been constantly employed in the organization and administration of the school, thereby leaving small opportunity for teaching, the eighteen teachers, according to the regular school programme, have been engaged in teaching three hundred and ninety (390) recitations per week, an average of nearly twenty-two (22) periods to each teacher. This takes no account whatsoever of periods devoted to clerical work in the office, preparation of laboratory exercises, and library and classroom supervision, amounting to nearly two periods more per teacher.

Teachers not alone of well-known, successful experience were sought, but also those of strong personality and power to mould character. Nearly every instructor was visited in the classroom. Sixteen teachers were selected in this way. Two were transferred from the Latin School, when the division of pupils was made. The decision of the Board to employ a larger number of male teachers than is usually found in high schools of this grade was a wise policy, and one that gives strength and power to the school.

The work of the school being arranged in departments, the teachers were selected with special fitness to some particular branch of study. During the summer months each instructor was more or less engaged in preparing his work, and making lists of apparatus and other equipment in anticipation of the opening of the school.

TEXT-BOOKS AND EQUIPMENT.

After the preparation of the course of study and the selection of the teachers, the question of text-books and equipment required immediate attention. The most modern books for each department were carefully inspected by the Text-book Committee, Superintendent, and teachers. There were many adoptions, especially in science. The policy of placing more than one text-book on a given subject to the disposal of the teacher, is in keeping with the broad spirit of instruction throughout the school.

Orders for apparatus and supplies for the different laboratories, and reference books and general equipment for library and classroom, sufficient for carrying on the work of the school during the fall term were made ready in the early summer.

OPENING OF SCHOOL.

School really opened September 2, at two o'clock, although the pupils did not appear until the next morning. On the afternoon mentioned, the teachers met in the library of the new building for the first teachers' meeting. After a warm speech of welcome by Superintendent Southworth, and an inspiring address by Ex-Superintendent Meleney, who happened to be inspecting the building, the policy of the school was outlined by the Principal, specific directions for opening were given, classrooms were assigned, and everything was placed in readiness for the opening on the morrow.

Tuesday, September 3, the school opened at 8.30, with very little friction and confusion from the four hundred and fifty (450) scholars who presented themselves for enrollment. The day was spent largely in obtaining the usual biographical data from the pupils and in explaining the course of study and the future policy and administration of the school.

Very little could be done until information was received regarding the number of books needed. The supply depended upon the electives chosen, and several days were required before the school actually began its work. Nearly every day during the month of September new pupils were admitted to the school. At the close of the school month, September 27th, five hundred and eight (508) pupils had been enrolled, classified as follows :

Post graduates	5
Senior Class	70
Junior Class	90
Second Year Class	130
First Year Class	213

ENROLLMENT.

At the close of the present month of December the membership is four hundred and seventy-five (475), of which 10 are post graduates, 69 are seniors, 84 are juniors, 120 are second year pupils, 192 are first year pupils.

Sixty-one per cent of this number represents the girls, and thirty-nine per cent the boys. The first year, or entrance class, represents forty per cent of the school, of which number nearly forty-seven per cent are boys. It will be interesting to watch whether the proportion of boys increases throughout the whole school in the next few years. There is a difference of eight per cent in the proportion of boys to girls in the whole school, compared with that of the first year class. This increase in the entrance class may possibly be accounted for by the courses in manual training and laboratory work in the sciences. At any rate, it is a gratifying increase of boys, and it is hoped that a larger proportion of them may decide to finish the full course of the school. In the three upper classes, the proportion of boys in the classes is thirty per cent, a difference of seventeen

per cent when compared with the lowest class. The total enrollment since September is five hundred and thirty-four (534), of which three hundred and seven (307) came from the High School, one hundred and ninety-seven (197) from the Grammar schools, and thirty (30) from schools in other towns and cities.

CHOICE OF ELECTIVES.

While the choice of studies this year is no index of what may be expected in the future, when the opportunities of the school are clearly understood, still it may be of interest to note the percentages of electives during the present year. It will be seen that the languages, especially French, continue to be the most popular studies. The sciences have not drawn a large number, and the commercial studies show a small percentage, from the fact, undoubtedly, that the seniors and juniors, to whom these electives were offered, had taken these branches earlier in their course in the other school. A peculiar fact, indicating that the choices of pupils in the future will in all probability change a great deal, is shown from the relative electives of the three upper classes and the lowest class in the languages and sciences.

SCHEDULE OF ELECTIVES IN THE THREE UPPER CLASSES AND FIRST YEAR CLASS.

	Latin.	French and German.	Sciences.	Mathematics.	Com. Dep't.	Stenography. Type-Writing.	Drawing.	Manual Tr.	Total.
Senior, Junior, and Second Year } Classes.	30	152	85	57	49	121	52	14	560
First Year Class.....	85	29	30					55	199
Total	115	181	115	57	49	121	52	69	759

COMPARISON OF PERCENTAGES IN ELECTIVES BETWEEN THE
THREE UPPER CLASSES AND FIRST YEAR CLASS,
AND SCHOOL AS A WHOLE.

	Latin.	French and German.	Sciences.	Mathematics.	Com. Dep't.	Stenography. Type-Writing.	Drawing.	Manual Tr.	Total.
Senior, Junior, and Second Year } Classes.	5.4	27.5	15.3	9.2	8.8	21.8	9.4	2.5	100
First Year Class.....	42.7	14.6	15.1					27.6	100
Whole School.....	15.3	24.	15.3	6.8	6.5	16.	6.9	9.2	100

Only thirty (30) pupils in the three upper classes elected Latin, while one hundred and fifty-two (152) chose either German or French, a ratio of five to one in favor of the modern languages. In the first year class there is a condition of things almost the reverse of the above. Eighty-five (85) have chosen Latin, and twenty-nine (29) the modern languages, a ratio of three to one in favor of Latin. In other words, 5.4 per cent of the upper classes elect Latin, while 42.7 per cent of the lowest class choose the same study. In the upper classes 27.5 per cent elect modern languages against 14.6 per cent in the lowest class. From these few statistics it appears that there is a more healthful use of the privilege of choice in the lowest class.

The opponents of the elective system frequently argue that pupils will not seek the broad foundation studies if given a choice. It is interesting to note that their position proves untenable in this case, for nearly forty-three (43) per cent of the class that makes its selection, unprejudiced by previous courses in high school work, and with an eye single to its wishes and needs, takes Latin. While there may be an abnormally large number this year, larger, in fact, than will be obtained usually, nevertheless it points unquestionably to the tendency towards wise selections and the soundness of the elective system. It is a valuable aid to all pupils to make Latin the broad foundation work of their course. It may be taken only two, or even one year, but its training even then is of value to those who take up the modern languages later, to those who are intending to take

courses of science, and to those who desire to enter the Scientific and Normal schools. Fifty-five (55) out of ninety (90) boys in the first year class (61 per cent of the boys, and 27.6 per cent of the entire class) chose manual training and mechanical drawing. This may be compared with the small number, fourteen, or $2\frac{1}{2}$ per cent in the upper classes. Undoubtedly many of these pupils in the Latin and manual training classes will select other branches as soon as the rich programme of electives is presented to them in the later years ; yet it is quite certain that many will remain in these courses. It has already been learned that about fifty-five (55) out of the whole manual training class of sixty-nine (69) expect to elect that subject next year.

THE ADVANTAGE OF THE ELECTIVE COURSE.

The elective course, then, may be resolved into numberless courses arranged in accordance with the nature and wishes of the student. It is not a surrender to the utilitarian idea in education, although it recognizes the value of putting knowledge as well as training into the proper equipment of the child. Defective and smattering courses will be prevented by the direct control and advice of the teacher in co-operation with the parent. On the other hand, wonderful interest will be awakened, when the pupil is permitted to take up that which is dictated by his own interest. Classes will be freed of dead wood, and teachers will receive new enthusiasm. Many a bright pupil has lost all his courage by being forced to study that for which he has no taste or aptitude. Some pupils, who have not the least conception of the abstract, prove to be the brightest students of science, with keen powers of observation and love for investigation.

Already the effect is seen in the work of the entering class. There is a better spirit of work than is found usually in this grade of pupils in high schools. The criticism is almost universal that first year pupils do not show the power of concentration and thorough work that are found in the upper grades. Conditions, greatly changed from the grammar school system, the consciousness of a long course ahead of them, studies that are more abstract than those studied in the previous years, all have contributed to poor work, and have been important factors in causing so many high school pupils to leave school at the end of the first year. By seeking the interest of the student through a desired elective, much of the apathy will be elim-

inated, and it will not be surprising, in fact, it will be a logical conclusion, if larger numbers remain in the school to the end of the course.

In the old system of set courses, the most enjoyable part of the course was found in the last two years. Before the pupil reaches that point his interest lags, school becomes a dead issue in his life, and he longs "to go into the world" to do something. It is a matter of surprise, perhaps, that the dull boy in school suddenly arouses himself and becomes active in business. By the elective system the interest is sought at the beginning. It is hoped that parents will exercise careful supervision, and will consult with the teachers regarding the studies of their children.

THE RECORD OF THE FIRST TERM.

Too short a time has elapsed since the organization of the school to gather definite conclusions regarding its work. What has been observed, however, is almost entirely in its favor. The spirit of the pupils has been excellent. Pride in their splendid building, enthusiasm for new and better opportunities for study, and a desire to meet the demands of the administration of the school, are prominent characteristics of the spirit of the school. It would be unfortunate if such results could not be discerned among pupils, when unsurpassed opportunities are offered for their advancement; yet credit is certainly due them for their friendliness, and it is a pleasure to make note of the ease with which so large a school has adapted itself to absolutely new conditions, — new building, new courses, new text-books, new regulations, new teachers.

Only one adverse criticism of importance may be cited, a criticism that may be made of many schools, it is true, and yet the fact that it is a wide spread evil does not make it excusable. I refer to the matter of attendance. School, according to the interpretation of the writer, is the scholar's daily business. If no other lessons are being learned than those of regularity and punctuality, parents should see that their daughter or their son is faithful in attendance upon daily business, and not encouraged or permitted to ask or take privileges of absence, not allowed in other walks of life. It is assumed that a pupil, when seeking enrollment, presents himself to the school to secure benefit from it and in no sense to bring injury to it. But the latter is what he actually does and what authorities at home either permit or fail to prevent, when a pupil absents himself from his daily work

for reasons he would not think of considering necessary if engaged in any other business. If the absentee were the only one concerned, his loss even then would be deplored, but his failure to meet what is normally expected of him affects classes and teachers, robs the school of an advance and pulls it down from a standard it otherwise would attain. "Irregular attendance," some one has aptly said, "is enough in itself to undo in a great measure the efforts of the most skilful, enthusiastic, and painstaking teacher." It is hoped that the spirit of business prevailing within the school walls will go with the pupil when beyond its doors.

Commendable progress has been made in the various departments. The teachers have one or more regular afternoons in the week when pupils may see them to make up their deficiencies, to receive instruction, or to listen to talks on subjects supplementary to school work. As soon as the means are provided it is planned to have an occasional lecture in the afternoon with the aid of the stereopticon. Pupils have shown unusual interest in every department, but perhaps more than anywhere else in scientific work. Seniors who have taken up these branches regret that their course will soon be over. Others regret that they did not exchange a fourth year in language for a year, at least, of fascinating experiments in science. Frequent requests are made for the privilege of doing extra work during study periods or in the afternoon. The spirit of enthusiasm for self-development can be gauged in no better way than by noting the large number of pupils who are anxious to take more periods of study than is required of them, and by the expressions of regret that some study could not be taken, for the simple reason that the limit of the possibilities of the programme and of the pupils' strength had been reached.

Two days and one evening were set aside in October for the public to inspect the building and the school. Nearly a thousand people availed themselves of this opportunity. The regular school programme was carried out without change or additional features, with the exception of tasty decorations of flags, potted plants, and cut flowers, provided through the enterprise of the pupils. It was felt by the authorities that the most practical dedicatory exercises that could be furnished the citizens of Somerville, would be an actual exhibit of their children reciting, studying, experimenting in classroom and laboratory, making use of the facilities which the munificence of the

city had provided. Pupils and teachers were gratified and benefited by these visiting days. To those who did not have an opportunity of inspecting the building then, a welcome will be extended at any time to see the school at work.

Frequent teachers' meetings have been held during the term to secure unity of purpose and perfection of details, regarding the many subjects which arise in a new school. Questions of discipline have occupied very little of the teachers' time thus far in the school. Behavior becoming a young man or a young woman of good breeding, as practised in his own home, is accepted and expected of every pupil of the school. The Principal is earnestly aiming to have a school where the faces of happy, contented, and enthusiastic students may be seen in every classroom; a school in which the teacher is known and believed to be a true and valued friend of the pupil, a school where the importance of discipline and police supervision will be over-shadowed and forgotten through determined self-control, self-respect, and business-like zeal of the pupil; and yet it is his firm conviction that a school, to accomplish the purpose for which it was designed, should have a definite government, just and reasonable in its requirements, worthy of respect from all under its control, to which every pupil, without distinction, must render a prompt, a willing, and an implicit obedience. The policy of the school in its administration, discipline, and spirit has been carefully explained by the Principal in the morning talks in ethics, where he is privileged to meet every pupil each week.

METHODS OF TEACHING.

One of the chief requisites demanded in the teachers selected was the use of modern and correct methods of teaching. Text-books are secondary to this. They are an efficient aid, but the true teacher does not rely upon them. The aim of the school is to lead pupils to think, to observe, to investigate, to record, to make conclusions for themselves. The laboratories are all planned for this kind of work exactly. The pupil is required to do the actual work or the experiment, and to gather his own results. The teacher is by his side often to direct, to suggest, to question, and to correct, but the pupil must discover for himself. The resultant must be something actually done. This method of study is applicable to the biological, the chemical, and the physical laboratories, to the studio, and to the

manual training, the commercial, and the stenography and type-writing departments.

A modification of the laboratory plan of personal investigation and experiment, is also applied to history in original research and comparison of authorities. In English, Latin, French, and German, classics are carefully studied, and whether the language is being critically examined or the thought is being sought, the pupil is led to think and judge for himself, the aim being self-development. Original work in mathematics seeks the same methods; elocution and physical culture surely employ these means of growth; and wherever it can be applied or adapted to the different subjects permitted in the curriculum, the student is led to do by doing, to know by seeing and investigating. The instructor is present not to remove difficulties, but to teach the pupil to surmount them. In these days, when push, originality, and deeds furnish the key to success in the great field of competition, the school should provide the proper training to meet the emergency.

The English High School aims to do such teaching. Its splendid building has been constructed with this training in view. It will be necessary to provide the library and laboratories with the proper equipments if the best work is to be done. It will cost more money than merely memorizing the text-book, but all attempts to improve the public school have been costly in the past. The results, however, cannot be reckoned in money value.

PLANS FOR THE FUTURE.

It is impossible in this report to speak in detail regarding every plan already formulated or under consideration for the upbuilding of the school. A matter which of necessity requires immediate attention is the proper equipment of every department of the school. A partial supply only was provided at the beginning of the fall term. The school reference library, the physical laboratory, and the manual training department, in particular, require liberal appropriations for their equipment.

The school library is to be something more than a room with a collection of miscellaneous books. It is designed as a workshop of the most practical nature. Pupils will have the privilege of consulting its reference books in the researches already mentioned under the methods of teaching. An instructor or some competent person will

always be present to give information regarding the use of books and to further their interests. A close articulation will be effected with the splendid advantages of the Public Library almost adjoining the building. Already, the efficient and accommodating librarian, Mr. Hayes, has offered his valuable services and the large opportunities of the Library for the furtherance of this valuable school work.

A large amount of apparatus is necessary in the physical laboratory for the study of heat, light, and electricity. Very little was furnished this department, only the simplest and most inexpensive apparatus, to permit the work to go on until the time of annual appropriations. It is not desired to buy at one time all that may be needed nor to furnish the most expensive instruments nor an undue number of them. But the workshop must have tools for the workmen, and it is necessary that every department should have an appropriation for a wise and economical purchase of such apparatus as is needed. Photographs and casts are required in the studio, microscopes in the biological laboratory, and as mentioned above, instruments of all kinds in the physical laboratory.

Collections are needed for actual and systematic study in geology, zoölogy, and botany. Astronomy can be studied without an observatory, but it needs, at least, a telescope of moderate cost and power to pursue investigations and make observations by the methods by which other sciences are studied. It must be borne in mind that the school has opened its doors without one article of equipment, excepting a few text-books from the Latin School.

The manual training department requires the special attention of those intrusted with the direction of the schools. Acting in accordance with the state law, an appropriation was made for a beginning in this department. Although not originally designed for that purpose, the eastern portion of the basement of the building was fitted up for work in carpentry and mechanical drawing. The rooms thus provided have furnished a very satisfactory substitute for the carefully designed buildings of other cities, and the furnishings have been of the best. The instructor in this department has had more than he could attend to on account of the large number electing shop work and mechanical drawing, and as more than two thirds of these pupils expect to continue this subject next year, additional instruction and extra departments must be provided.

The course of manual training extends over the regular four

years of high school work. That which has already been provided aims to occupy only twenty weeks of the first year, claiming at least six periods a week. Other branches, as clay-modeling and wood-carving for the second half of the first year's work, must be provided for the incoming class next September. The pupils, studying at the present time, will occupy the entire year in carpentry, for two reasons : first, because they did not begin work until late in the fall, the equipment not being ready until a month or more after school opened ; and secondly, because it is designed, after the regular course in carpentry is finished, in April or May, to have the pupils construct a portion of the equipment for the next year, as much of it is of a kind not to require costly and finished workmanship, and may be easily made by the boys in their regular work.

Likewise the means and equipment for the second-year course, consisting of wood-turning, pattern-making, and moulding, must be made ready by the first of next September for those who are taking the course this year. The other branches, forging, regular bench work in iron, regular machine-shop practice, and a study of the practical workings of steam and electrical engineering, will not be needed until the fall of 1897, and then some other accommodation than that which the school can provide must be furnished.

The boys in this department have been doing creditable work, and no punishment seems so effective as the deprivation of their regular hour in the shop. Manual training is taken as an elective, in the same way as Latin, French, and zoölogy are chosen, and the work is as carefully estimated and as critically examined as that of pupils in other courses. Their other work, English, history, algebra, etc., is the same as that demanded of every pupil in the school, with the single slight exception of the substitution of three hours of mechanical for two hours of free-hand drawing. The extra periods used in school in the shop are made up to the pupil by having no study hours at home. The total equipment of this adjunct to the high school to meet the legislative enactment will necessarily be heavy, but its value is unquestioned in the self-development of the boy.

AIM OF THE SCHOOL.

The province of an English High School is to qualify for citizenship. The idea of its laboratories, libraries, and classrooms is not to teach trades or to make merchants. It aims to teach its pupils "to

work patiently, systematically, and constantly with the hand, eye, and brain." Unfettered by the arbitrary demands of higher institutions, excepting the preparation of a limited number for scientific and normal schools, its course, its teachers, and its whole spirit will endeavor to fit the pupil physically, intellectually, and morally for the varied duties and pleasures of life. The coming of the English High School is one of the direct results of the agitation and activity in public school affairs during the reconstruction period of the past twenty years. The "college of the people," it fills a distinct and important place in our educational system. Its service and its influence touch the community very closely. As the large majority of its pupils plan, beyond its doors to enter life's school, it should be loyally supported in earnestly seeking the highest standards of scholarship and culture, and the noblest ideals of patriotic citizenship.

The building has been reared by the public-spirited generosity of the people, pupils have entered its portals in goodly numbers in search of its treasures, and the opportunity to teach in this favored institution has come like an inspiration to the chosen instructors. Its future, surely, can no longer be a problem. The conditions must bring a measure of success.

Thanking you, Sir, for the valued suggestions and substantial aid accorded me at all times by yourself during the organization of the school, and feeling grateful to the School Committee for their unfailing confidence and hearty co-operation in every plan advanced in the interest of the school, I remain, with a deep sense of the responsibility with which I have been honored,

Very respectfully yours,

C. T. C. WHITCOMB.

COURSE OF STUDY, ENGLISH HIGH SCHOOL.

The course of study for the English High School adopted by the School Committee in 1895, is based upon two important principles,—the necessity of a broad training for all pupils, and the recognition of individual claims for development in the direction of aptitudes and desired ends.

With these purposes in view, the course has been divided into two well-defined sections,—Required and Elective studies. Required studies are regarded as indispensable for a broad education, and must be taken each year by all pupils planning to graduate from the school. They may be subdivided into Prepared and Unprepared subjects. By the former are meant those branches which require study and preparation previous to the recitation; under the latter are included studies and exercises of a general nature which are obtained largely from lectures and drill work in the recitation itself. Fifteen hours, or recitation periods rather, of prepared work are required of a regular student each week. As about one half of the required studies represent prepared work, the remainder must be selected by the pupil, with the consent of the parent, from the liberal list of elective studies provided for each year. Wide latitude is given for the selection of courses in the languages, sciences, mathematics, commercial branches, manual training, and drawing.

These elective studies are to be chosen for a year at least, unless, as in a few instances, they represent half-year courses. A pupil is at liberty to make a new choice the following year, although he is strongly urged to continue his previous selection several years to obtain the greatest benefit. Smattering courses—many subjects, and little time devoted to each—are considered inferior to the set courses usually required in high schools, and will be discouraged as far as possible. Elective courses, when carefully chosen with regard to aptitudes and to plans for future work and study, will provide superior opportunities for the pupil's advancement.

A brief outline of the course, showing the months the subject is studied, the number of recitation periods each week, the text-books used, and the character of the work, is given below.

FIRST YEAR. CLASS I.

REQUIRED STUDIES.

	SUBJECTS.	MONTHS.	NO. REC.	CHARACTER OF WORK.	TEXT-BOOKS.
PREPARED.	Algebra	10	4	Simple equations and problems, addition, subtraction, multiplication, division, and factoring. Exponents and coefficients. Ratio and proportion. Radicals. Practical problems throughout the course.	Academic Algebra. — <i>Wells</i> . School Algebra. — <i>Wentworth</i> .
	English	10	4	American authors. Composition work. Collateral reading.	American Poetry. — <i>Scudder</i> . American Prose. — <i>Scudder</i> . Lessons in English. — <i>Lockwood</i> .
	History	10	2	Ancient history. Map drawing. Supplementary reading.	Eastern Nations and Greece. — <i>Myers</i> . History of Rome. — <i>Myers</i> .
UNPREPARED.	Drawing	10	2	Structure: Geometry, working drawing, development. Ornament: Color, historic ornament, design. Appearance: Model and object drawing, sketching from nature.	Evolution of Expression. Vols. I and II. American Citizen. — <i>Dole</i> . The Euterpean.
	Elocution	10	1	Ability developed in pupil to express thought with animation, smoothness, volume, clearness, and concentration. Posture. Proper breathing. Self-command. Lectures.	
	Ethics.	10	1	Talks on ethics. Current events. Outline study of U. S. government. School government and interests.	
	Music	10	1	Instruction in singing.	
	Physical Training	10		Ten-minute exercise each day.	

FIRST YEAR. CLASS I.

ELECTIVE STUDIES.

SUBJECTS.	MONTHS.	No. REC.	CHARACTER OF WORK.	TEXT-BOOKS.
Botany	5	5	Laboratory work in the study of Seeds, Germination, Roots, Stems, Leaf, Flower, Fruit, Algæ, Fungi, Muscineæ, Filicineæ, Equisetineæ, Gymnosperms, Monocotyledons, Dicotyledons. Drawings by aid of microscopes.	Introduction to Botany. — <i>Spalding</i> .
French	10	5	Study of Language by means of grammar. Easy translations. Written exercises. Conversation.	Short French Grammar. — <i>Grandgent</i> . Exercises for Schools. — <i>Grandgent</i> . French Composition. — <i>Grandgent</i> . French Classics.
German	10	5	Grammar work. Composition exercises. Translations, both prepared and sight. Conversation. Memorizing selected Poems. Supplementary Reading.	Grammar. — <i>Joynes-Meissner</i> , Part I. German Reader. — <i>Brandt</i> . German Composition. — <i>Harris</i> .
Latin	10	5	Pronunciation. Inflection, vocabulary, and syntax studied with grammar and exercises. Translations and sight-reading.	First Latin Book. — <i>Collar & Daniell</i> . First Latin Reader. — <i>Scudder</i> . First Book in Latin. — <i>Tuell & Fowler</i> . Gradation. — <i>Scudder</i> .
Manual Training	10	6	Carpentry. Clay-modeling. Wood-carving.	
Mech'ical Drawing	10	3	Working designs for Manual Training. Geometrical problems. Projection and intersection of solids.	
Zoölogy	5	5	Lectures and recitations. Laboratory work in the study of Protozoa, Radiata, Mollusca, Articulata, Pisces, Amphibia, Reptilia, Aves, Mammalia. Drawings by aid of microscopes.	Zoölogy. — <i>Colton</i> .

SECOND YEAR. CLASS II.

REQUIRED STUDIES.

	SUBJECTS.	MONTHS.	No. REC.	CHARACTER OF WORK.	TEXT-BOOKS.
PREPARED.	English	10	4	Rhetoric, with practical exercises emphasized. American authors. English authors of 18th and 19th centuries. Outline of American literature.	Foundations of Rhetoric. — <i>Hill</i> . American Classics. English Classics.
	Geometry	10	4	Geometrical terms. Five books of Geometry, including lines, angles, circles, similar figures, area, regular polygons. Original work.	Plane Geometry. — <i>Wentworth</i> .
	History	10	3	Mediæval and modern history. Map drawing. Note-books. Supplementary reading.	Mediæval and Modern History. — <i>Myers</i> .
UNPREPARED.	Elocution	10	1	Continued work in Expression. Careful analysis of author's thought. Voice culture. Gesture work. Lectures.	Evolution of Expression. Vol. III. and IV.
	Ethics	10	1	Talks on Ethics, Current Topics, and School Government and Interests.	
	Music	10	1	Instruction in Singing.	The Euterpean.
	Physical Training	10		Ten-minute physical exercise each day. Health talks.	

SECOND YEAR. CLASS II.

ELECTIVE STUDIES.

SUBJECTS.	MONTHS.	NO. REC.	CHARACTER OF WORK.	TEXT-BOOKS.
Drawing	10	2	Architectural details. Machine details. History of architecture and ornament. Applied design. Mechanical perspective.	Grammar with Exercises for College.
French	10	4	Continued study of Grammar. Translations—French into English and English into French. Conversation. Prepared and sight translations. Standard texts.	— <i>Grandgent</i> . Composition. Parts II. and III. — <i>Grandgent</i> . French Classics. French Reader. — <i>Super</i> .
German	10	4	Grammar. Part I. reviewed; Part II. studied in detail. Translation of standard texts. Composition exercises. Conversation. Collateral work in essay writing. Supplementary reading and memorizing.	German Grammar. Parts I and II. — <i>Joynes-Meissner</i> . German Reader.— <i>Brandt</i> . German Composition.— <i>Harris</i> . German Classics.
Latin	10	4	Gradatim. Nepos. Cæsar's Gallic War. Supplementary reading. Prose composition. Sight work.	Latin Grammar.— <i>Allen & Greenough</i> . “ — <i>Bennett</i> . “ — <i>Harkness</i> . Cæsar's Gallic War.— <i>Kelsey</i> . Gradatim.— <i>Scudder</i> . Latin Prose Composition.— <i>Collar</i> .
Manual Training	10	6	Wood-turning. Pattern-making. Moulding.	
Mech'ical Drawing	10	3	Working designs for manual training. Architectural designs. Machine designs.	
Physics	10	5	Measurements. Mechanics of Solids, Fluids, and Gases. Heat, Sound, Magnetism, Electricity, and Light studied. About one hundred and twenty-five (125) experiments.	Physics.— <i>Carhart & Chute</i> . “ — <i>Hall & Bergen</i> . “ — <i>Avery</i> . Laboratory Manual.— <i>Chute</i> .

THIRD YEAR. CLASS III.

REQUIRED STUDIES.

	SUBJECTS.	MONTHS.	NO. REC.	CHARACTER OF WORK.	TEXT-BOOKS.
UNPREPARED.	English	10	4	16th and 17th Century English authors in prose and poetry. Continued drill in rhetorical exercises. Collateral reading. Essays.	English Classics.
	History	10	3	English History. Map drawing. Collateral reading. Note-books.	English History. — <i>Montgomery</i> .
	Elocution	10	1	I. and II. year work advanced. Dramatic work. Individual Drill. Voice Culture. Gesture work. Lectures.	Standard orations. Plays of Shakespeare.
	Ethics	10	1	Talks on Ethics, Current Topics, and School Government and Interests.	The Euterpean.
	Music	10	1	Instruction in Singing.	
	Physical Training	10		Ten-minute exercise each day. Health talks.	Physiology. — <i>Martin</i> .
	Physiology	10	1	Scientific Lectures in Physiology. Hygienic Experiments. Charts. Diagrams. Note-books.	

THIRD YEAR. CLASS III.

ELECTIVE STUDIES.

SUBJECTS.	MONTHS.	No. REC.	CHARACTER OF WORK.	TEXT-BOOKS.
Advanced Algebra	5	5	Review to Quadratics, advance work in Quadratic Equations, Equations in Quadratic form, Progressions, Permutations and Combinations, Inequalities, Variation, Binomial Theorem, Coefficients, Theory of Equations.	College Algebra. — <i>Wells</i> . Higher Algebra. — <i>Wells</i> .
Advanced Geometry	5	5	Review of II. year Geometry, with extended drill in original demonstration. Inventional work.	Plane Geometry. — <i>Wells</i> . " " — <i>Wentworth</i> .
Book-keeping	10	5	Elementary Business Practice in Double Entry, Single Entry, Forms, and Business Practice.	Book-keeping. — <i>Williams & Rogers</i> .
Chemistry	10	5	Non-Metals and Metals studied. Simple quantitative experiments. Individual Laboratory work.	Introduction to the study of Chemistry. — <i>Remsen</i> . Chemical Experiments. — <i>Remsen & Randall</i> .
Commercial Arithmetic	10	2	Business Principles and Methods taught. Drill work in accurate and rapid Figuring. Short Methods. Percentage, Interest, Insurance, Exchange, Stocks, Partnership, etc., carefully taught.	The New Packard Commercial Arithmetic.
Drawing	10	2	Plans and elevations. Assembly drawing and details. Great masters and their works. Architectural details. Still life. Use of charcoal, color and pencil. Mechanical perspective.	
French	10	4	Advanced Composition work. Translations. Sight work. Conversation. Study of French authors.	French Composition, Parts IV. and V. French Classics. — <i>Grandgent</i> .
German	10	4	Selected texts. Composition work. Sight work. Study of German authors. Conversation.	German Classics. German Composition. — <i>Harris</i> .
Latin	10	4	Cicero's Orations. Ovid's Metamorphoses. Latin composition. Sight work.	Cicero's Orations. — <i>Kelsey</i> . Ovid. — <i>Kelsey</i> . Latin Composition. — <i>Collar</i> .
Manual Training	10	6	Course not determined.	
Mechanical Drawing	10	3	Course not determined.	
Stenography	10	5	Knowledge of alphabet. Exercises in reading and writing words and sentences. Dictation, Rapid Reading, and Writing. Letter writing. Instruction in Business Forms.	Practical Shorthand. — <i>Chandler</i> . Key to Practical Shorthand. — <i>Chandler</i> .
Type-writing	10	3	Knowledge of machine. Drill work in words and sentences. Business letters. Dictation work. Transcriptions. Office work. Speed exercises.	Compendium of Typewriter Practice

FOURTH YEAR. CLASS IV.

REQUIRED STUDIES.

	SUBJECTS.	MONTHS.	NO. REC.	CHARACTER OF WORK.	TEXT-BOOKS.
PREPARED.	English	10	4	Early English Authors. Shakespeare and Milton. History of English Literature. Essays and original orations. Collateral reading. United States History, intensively studied. Civil Government. Note-books. Map drawing. Visits to meetings of Legislative and Judicial Bodies.	English Classics.
	History	10	3		History of United States.— <i>Thomas</i> . Civil Government in the United States.— <i>Fiske</i> .
UNPREPARED.	Elocution	10	1	Lectures. Work in Expression according to higher perfective laws. Individual drill, Voice Culture, Debates, Gesture Work, Extemporaneous Speaking.	Plays of Shakespeare.
	Ethics	10	1	Talks on Ethics, Current Events, School Government and Interests.	The Euterpean.
	Music	10	1	Instruction in Singing.	
	Physical Training	10		Ten-minute physical exercise each day. Health talks.	Physiology.— <i>Martin</i> .
	Physiol'gy	10	1	Scientific Lectures in Physiology and Hygiene. Experiments. Charts. Note-books. Essays.	

FOURTH YEAR. CLASS IV.

ELECTIVE STUDIES.

SUBJECTS.	MONTHS.	NO. REC.	CHARACTER OF WORK.	TEXT-BOOKS.
Advanced Botany	5	3	Microscopical Technique. Histology. Embryology. Physiology of Plants. Sketches and diagrams. Lectures.	Reference Books.
Advanced Chemistry	10	5	Qualitative analysis of Metals and Acids. Simple organic experiments. Essays and assigned topics for reading.	Qualitative Analysis.— <i>Stoddard</i> . Introduction to Study of Chemistry.— <i>Remsen</i> .
Advanced Physics	10	5	Review of II. year work with extra and more accurate work. Strength of materials. Quantitative study of Heat, Sound, and Light. Advanced study in Magnetic and Electrical Phenomena. Construction of apparatus.	Physics.— <i>Hall & Bergen</i> .
Advanced Zoölogy	5	3	Microscopical Technique. Histology. Embryology. Physiology and Anatomy of Vertebrates. Sketches and diagrams. Lectures.	Reference Books.
Analytic Geometry	10	2	Course not determined.	Analytic Geometry.— <i>Wentworth</i> . “ — <i>Nichols</i> .
Astr'n'my	5	5	Mathematical Calculations, Practical Observations. Diagrams, Essays. Supplementary reading.	Elements of Astronomy.— <i>Young</i> .
Book-keeping	10	5	Thorough Review of III. year work. Banking. Advanced work in Business Papers and Correspondence. Offices conducted by students. National Bank. Wholesale and Retail Business. Freight, Commission, and Real Estate Offices.	Book-keeping.— <i>Williams & Rogers</i> .
Comm'rc'l Law	10	2		Commercial Law.— <i>Williams & Rogers</i> .
Drawing	10	2	Advanced work in I. II. and III. year. Subjects as a preparation for Future Work in the various Arts and Industries.	
French	10	4	Work of III. year continued. Outline of French Literature. Conversation.	French Composition. Parts VI. and VII.— <i>Grandgent</i> . French Classics.
Geology	5	5	Local Geology. Field work. Dynamical and Historical Geology. Essays and diagrams.	Compendium of Geology.— <i>Le Conte</i> . First Book in Geology.— <i>Shaler</i> .
German	10	4	Selected Texts. Composition work. History of German literature.	German Classics. German Composition.— <i>Harris</i> .
Latin	10	4	Ovid. Virgil. Latin Composition. Sight translation. History of Roman Literature.	Virgil's <i>Æneid</i> .— <i>Greenough</i> . Latin Composition.— <i>Collar</i> .
Manual Training	10	6	Course not determined.	
Mech'ical Drawing	10	3	Course not determined.	

FOURTH YEAR. CLASS IV.

ELECTIVE STUDIES.— *Concluded.*

SUBJECTS.	MONTHS.	NO. REC.	CHARACTER OF WORK.	TEXT-BOOKS.
Solid Geometry	5	5	Lines and planes in space. Dihedral and Polyhedral Angles. Polyhedron, Cylinder, Cone, Sphere. Original work.	Solid Geometry.— <i>Wells.</i> “ — <i>Wentworth.</i>
Stenography	10	5	Continuation of III. year work to gain accuracy and rapidity. Extracts from Orations and Lectures. Practical exercises of every variety.	Practical Shorthand.— <i>Chandler.</i> Key to Practical Shorthand.— <i>Chandler.</i>
Trigonometry	5	5	Trigonometric functions. Functions of Acute Angles. Right Triangle. Functions of general angles. Oblique Triangle. Practical applications. Original work.	Trigonometry.— <i>Wells.</i> “ — <i>Wentworth.</i>
Type-writing	10	3	Review of III. year work, with special reference to accuracy and speed. Drill work of all kinds. Practical exercises.	Compendium of Typewriter Practice.

NOTES. — Only one foreign language may be begun the same year.

Any elective of any year may be taken in a later year.

Diplomas are given to those only who satisfactorily complete the full course of study. Fifteen periods of prepared work and five of unprepared work, a total of twenty periods of recitations each week during the course of four years, are required of all pupils. No pupil is permitted to take more than the required amount of work unless his record in scholarship warrants the increase.

Pupils who do not take the required amount or kind of work are classed as specials.

Double periods are assigned to laboratory work on certain days. This increase in periods is offset by exemption from study in preparation. To counterbalance the small amount of time devoted to studies which are strictly classed as unprepared, as preparing notes for ethics or memorizing exercises in elocution, an unprepared recitation will be occasionally assigned in prepared subjects.

Pupils beginning a study represented in more than one year, must take the number of periods required the first year.

There must be a sufficient number of pupils desiring a certain elective before a class is formed in it.

In June of each year pupils will be asked to choose electives for the following year.

No change of courses will be allowed during the year, except for urgent reasons, and then only by permission of Superintendent and Principal.

LATIN HIGH SCHOOL.

While our attention is naturally turned to the English High School as an illustration of the advantages resulting from a division of the High School, we must not lose sight of the gain accruing to our educational system in the superior opportunities that the pupils of the Latin School enjoy as a result of the change. This gain is not found wholly in a return to a single session, nor in the reduction in the number of pupils to that of twelve years ago. Its two hundred and seventy-five members are all fitting for college. They are animated by a common purpose, and stimulated to constant efforts by the desire to attain the standard of excellence required to reach their goal. Classes and divisions from the outset and in all studies are no longer handicapped by the sluggishness or indifference of those not in training for higher educational work. Both teachers and pupils realize the advantages of the changed conditions. Already it is apparent that better work is being done, and more rapid progress made than ever before. The Somerville High School has always been conspicuous for the excellence of its college preparatory work, and it is saying much to remark that in the future it will surpass all previous records.

Under the management of the efficient Principal whose indefatigable labors and unfaltering courage have maintained the standard of the school amid obstacles and discouragements that would have disheartened most men, and aided, as he will be, by the experienced assistants who have shared with him the burdens and the successes of the past, our citizens may rest assured that the Somerville Latin School will accomplish all that the most sanguine may expect.

It is interesting to note in this connection that the average age of the sixty-four grammar school graduates who entered the Latin School in September, was four and one-half months less than that of the one hundred and ninety-one graduates who entered the English School, the former being fourteen years and nine and seven-tenths months, and the latter fifteen years and two and two-tenths months.

It is apparent to all that college-bound pupils should begin their preparatory work, in Latin at least, at an earlier age than fourteen years and ten months. Upon this point there is practical unanimity of opinion among educators. How to secure this desideratum is a question to which our attention should be given at an early day. It can be answered only in one of three ways, — Latin must be intro-

duced into our grammar schools, at least, as an optional study, or the grammar school course must be shortened, or pupils must be admitted to our Latin School from the eighth grade. Without stopping to discuss the question, we may venture the opinion that the last method is preferable. If we should take the relative numbers entering the two schools this year as a criterion, each grammar school would suffer annually the loss of eight pupils, if the Latin School were open to members of the eighth grade. This would not materially affect the grammar schools, while it would give the college-bound youth an opportunity to gain a year by taking a four-years' high school course, or, if circumstances rendered it necessary, it would afford the chance of more gradual preparation during a five-years' course.

The course of study in the Latin School as at present arranged is as follows: —

COURSE OF STUDY IN THE LATIN HIGH SCHOOL.

FIRST YEAR. *Latin*.—First lessons with translations of easy Latin prose, and introduction to Cæsar.

Mathematics.—Elementary algebra through quadratic equations.

History.—Ancient history with historical geography.

English.—Introduction to English literature with special study of works of American authors. English composition.

SECOND YEAR. *Latin*.—Easy Latin prose, with four books or less of Cæsar's Gallic War. Latin prose composition.

Mathematics.—Plane geometry.

English.—English literature, including part of the works prescribed in the admission to college.

English composition.

Either *Greek*,—First lessons, with translation of easy Greek prose,—

Or *German*.—First lessons, with translation of easy German, German conversation, and written composition.

Elective French.

THIRD YEAR. *Latin*.—Selections from Sallust, Nepos, and Cæsar. Æneid, five books. Latin prose composition.

Mathematics.—Review of Plane geometry, with original problems.

History.—History of Greece and Rome. Ancient geography.

English.—English literature, including part of the works prescribed in the requirements for admission to college. English composition.

Elective physics.—Elementary principles with experiments, and a course of laboratory exercises Friday afternoons during the year.

Either *Greek*.—Selections from Anabasis and Hellenica and other Greek prose. Greek prose composition,—

Or *German*.—Translation of simple German prose and poetry, with conversation and written composition.

Elective French.

FOURTH YEAR. *Latin*.—Virgil, Ovid, and Cicero. Latin prose composition.

Mathematics.—Algebra reviewed and completed to satisfy requirements for admission to college.

English.—English literature, including the remainder of the works prescribed in the requirements for admission to college, Rhetoric and English composition.

French.—Translation of simple prose and poetry, with conversation and written composition as a preparation for translation at sight of simple French into English, and English into French. French grammar. Elective advanced French.

Either *Greek*.—Six books of Iliad and Odyssey. Selections from Herodotus. Greek prose composition in connection with the Anabasis,—

Or *German*.—Selections of prose and poetry with conversation and written composition.

NOTES.—There is practice in sight reading in all the languages each year.

Advanced French, advanced German, advanced mathematics and chemistry may be substituted for a part of the Latin, a part or the whole of the Greek.

Special courses are marked out to meet the wants of those pupils who desire special preparation for special courses for college or for professional schools.

The regular time for completing the course is four years. Pupils, at the request of their parents, can make the work of each year easier

by taking five years for the course. Those who are capable and have good reason for shortening the time of preparation are allowed to complete the course in as short a time as their ability will permit.

The object of the school is, primarily, to furnish a suitable preparation for those pupils who desire to pursue either a regular or a special course of study at higher institutions of learning, but the school is open to all pupils who wish to take the courses of study offered.

CARE OF SCHOOLHOUSES.

When the last revision of the city ordinances was made, the janitors of schoolhouses were placed under the election and control of the Committee on Public Property. Previously they had been responsible to the School Board, as is the case in most towns and cities. The change has not been advantageous to the schools. The efficiency of the service has not been increased. The local School Committee are in constant communication with teachers and with schools, and to them the janitors should be responsible. Any needed criticism now reaches the ultimate authority in a very roundabout way, and reforms and changes are often slow in coming and unsatisfactory in character.

The school janitor is a very important element in the management and comfort of a school. If affable, competent, obliging, industrious, and possessed of the instinct of cleanliness, his school building is a delight. But if grouty, disobliging, and without faith in the attribute that is next to godliness, as is too often the case, he becomes a burden, and his building a disgrace. Most of our school buildings are fairly well cared for. We have some model janitors. Other buildings are sadly neglected, and dusty walls, soiled paint, uncleaned floors, and littered yards proclaim neglect or incompetency. Suggestions from the Superintendent are received as from one who is not minding his own business. I have found teachers sweeping their schoolrooms, and am told that in one building, at least, it is a common occurrence. In some localities, and at some seasons, primary rooms, if no others, should be swept daily, and the rules, which are generally interpreted in letter and not in spirit, should be changed to give principals authority to require this. More scrubbing and cleaning of floors and furniture should be done. Three or four times a year, and in some localities once a month, will not be too often for thorough cleansing. Paint, varnish, whitewash, cost little and may

be made greatly promotive of health and comfort. Then, too, many of our schoolhouse yards reflect somewhat on our sense of the proprieties. The surroundings of every school building should teach lessons of thrift and neatness, if not of beauty. The yards should be provided with curbing, and unused portions should be grassed over, walks should be bricked or concreted, shrubbery and flowers should be cultivated, and the entire premises should exhibit care and taste, and be made to minister to the æsthetic sense.

THE WORK OF PRINCIPALS.

The Principal of a school is a most important factor in its success. He gives it tone and character. His influence is felt alike by teachers and by pupils, and reaches out beyond the schoolhouse doors.

All principals are responsible for the general good order of their schools, for the proper assignment of new pupils, for the conduct of children on school premises, for the care of all school property, for the correct keeping of registers and the compilation of returns therefrom, and for the standard of attendance, punctuality, and decorum maintained.

Beyond the discharge of these duties and the instruction of their own classes, principals of small schools, who have no assistants, are expected to do very little. But five-eighths of the grammar and primary school children of Somerville are in buildings under the charge of Supervising Principals, each of whom has an efficient assistant in his room. Under the rules he is required "to teach twelve hours weekly, ten of which must be in the ninth grade." More than one-half of his time is therefore left free for other duties. Chief among these is the work of supervision, confined principally to a single large building, three only of our principals having other buildings, in any sense, under their charge. This supervisory work is highly important, and supplements very materially that of the Superintendent. Our city is now so large, and the demands on the time of that official so great and varied that he cannot give that close and detailed observation and examination of individual teachers and schools, their spirit and methods, that they need. Hence supervising principals are virtually assistant superintendents. They have been chosen not only for their qualifications as teachers, but with their

fitness in mind for the larger and equally important work of guiding, instructing, and inspiring other teachers under their direction. Under ideal conditions the principal of a large school has the entire confidence and respect of his assistants, who co-operate not only with him but with one another in everything that promotes the common interests. He is a student of educational problems. His knowledge is founded on true pedagogical principles. He knows the best method of teaching every subject. He possesses tact and kindness in suggestion. The frequent teachers' meetings which he calls are uplifting and helpful.

His moral power and influence are felt in every department and by every child. He is in close sympathy with children and with parents. He has the very desirable power of putting himself in the place of the child and of the parent, and looking at things from their point of view. Hence he is considerate of the rights of all, and takes large views of the relations of schools to the public. He is artful and happy in settling questions of authority or discipline that inevitably arise between teachers and pupils and parents. Affable and self-possessed, he is not ruffled or impatient. While executing all rules and orders of his superiors, he is governed by their spirit rather than their letter. In all questions that arise, the best interests of the individual child furnish the criterion of his judgments. On him largely depend questions of promotion and classification. He pushes on the capable ones, encourages the slow, and sees that the unfortunate have special assistance and consideration. The school feels his individuality, and takes on characteristics that he gives it. It is safe for the boys to follow his example in all respects. He realizes his power over the future of the young, and fulfils his tasks in the light of grave responsibilities. Somerville is indeed fortunate in having so many principals that possess to so great extent the ideal qualifications.

PATRIOTIC INSTRUCTION.

Prominent among the Acts of the Legislature of '95, affecting schools, is a law requiring school committees to provide for the uninterrupted display of the United States flag, upon or within schoolhouses while schools are in session. On the strength of legal opinions that the law is mandatory in spirit, if not in letter, the

attempt has been made to conform to this requirement. The most of our school buildings have been provided with flags by the generosity of public-spirited and patriotic citizens or the contributions of equally patriotic children. Many of these flags have been in use several years, and are so worn as to be unserviceable. A few buildings are still unprovided with staffs. No provision has yet been made in any building for the interior display of the flag required by law. There being no fund under the control of the School Board that can legally be applied to this purpose, requisitions upon the Public Property Committee of the City Council were duly made to supply our needs. Lack of funds has prevented their honoring our requests, and hence compliance with the law has been only partial.

Heretofore our custom has been to display the national emblem only upon the anniversary of some event memorable in the history of our nation, state, or city. On these flag-days, occasion has been taken to inculcate lessons of patriotism drawn from the events commemorated. The flag salute has been given and fealty pledged to the government symbolized. Interest in these flag-days and the exercises accompanying them was general, and frequently intense; and as far as the cultivation of the spirit of loyalty and patriotism in the pupils of our schools is concerned, good work was being accomplished which, it is safe to say, has received no impetus by the daily display of the flag. The symbol of our government, like that of our religion, may become so common as to lose its significance.

Patriotism is but one of the many elements of character, the building of which is the chief work of the teacher, and the object for which schools mainly exist. In the language of the statutes of the Commonwealth, "it shall be the duty of all instructors of youth to exert their best endeavors to impress on the minds of children and youth committed to their care and instruction the principles of piety and justice, and a sacred regard to truth; love of their country, humanity and universal benevolence; sobriety, industry and frugality; chastity, moderation and temperance; and those other virtues which are the ornament of human society and the basis upon which a republican constitution is founded; and it shall be the duty of such instructors to endeavor to lead their pupils, as their ages and capacities will admit, into a clear understanding of the tendency of the above-mentioned virtues to preserve and perfect a republican constitution and secure the blessings of liberty as well as to promote their future

happiness, and also to point out to them the evil tendency of the opposite vices.”

None of these virtues can be developed by perfunctory school exercises. The living example and unconscious influence of the teacher, the atmosphere of the schoolroom, the order and discipline in its daily routine, the unvarying trend of its instruction and management,—these are the agencies which, uniting with the influence of the home, will produce the virtues on which the welfare and prosperity of the State depend.

It would be strange indeed if any child born within sight of Bunker Hill, and nurtured among the historical associations of Somerville, were without the instincts of patriotism. But even among us the virtue needs to be stimulated, developed, and established on true fundamental principles. No true patriot is a law-breaker. Obedience to parents, respect for the authority of the teacher, cheerful compliance with rules, loyalty to the school, regard for city ordinances and the rights of others,—these things come within the comprehension of children and should be insisted on as the foundation of true patriotism. The child should be taught that resistance to the teacher’s authority is disloyalty to the State,—the source of that authority. It is along these lines that the virtue of patriotism is developed. Without this insistence on the practice of civic virtue within the range of school life, the instruction in history, the stories of the glorious deeds of the fathers, a comprehension of the manifold blessings and rights and privileges which the government secures to every citizen,—all these will be but ephemeral in their influence. And what is true of one is true of all. It is virtue as a practice, not as a sentiment or a theory, that crystallizes into character.

THE SCHOOLS AND THE PUBLIC LIBRARY.

What a child reads is more important than what he studies. The power to read is not an unmixed blessing. Better read nothing than to read bad books. Better be without the power to read at all than to have the character corrupted by pernicious literature. If the schools are to give the ability to read, they are under moral obligation to teach also what should be read. Their work is but half done until a taste for good reading has been cultivated. If the graduates of the public schools carry nothing out from them but a love for what

is pure and refined and elevating in literature, we need have no anxiety for their future.

Two things must be done if we would accomplish this all-important object. First of all, the books provided for use in the schoolroom should in their style and subject matter be attractive, stimulating, and inspiring. They should be classics. They should be not only worth reading but worth remembering. From the great field of literature, selections — not excerpts merely — are available at little expense, and adapted to all ages. These should be provided in abundance and variety. They should be read by the teacher to the pupils at times. They should be read by the pupil and studied by him under the direction of the teacher, until their beauty and worth are appreciated and felt.

Our schools lack in their supply of this kind of literature, and more abundant provision should be made for their needs in this respect. But so crowded is the curriculum of the schools, and at the best so little time can be given to them in reading, that not much will be accomplished in the direction desired unless teachers have the power and opportunity to direct and control the reading of children in their homes. Pernicious literature abounds. It is distributed on street corners, it is paraded in shop windows, it is circulated by stealth, it finds its way into the home and into the school, it is even permitted by injudicious parents. The evil is wide-spread and powerful. Only the strength of public opinion, as yet unformed, can prevent its extension. If it cannot be supplanted, the ground can be preoccupied. Reading tastes and habits once formed are unchangeable. The school and the home must therefore unite in creating a love for good reading in the young.

In this work our most powerful ally is the Public Library. It furnishes a practically inexhaustible supply of good books, many of which are to be read only in maturer years. To teach the child how to use the library, to show him what books and what authors to choose, to give variety to his selections, to see that he reads thoughtfully and in moderation, to secure from him abstracts or reviews of what he has read,— this is a work that no one can do as well as the teacher. Recognizing these facts the School Board has emphasized this duty of teachers in the regulations of the public schools. The trustees and the librarian of our recently re-constructed Library are anxious to extend its influence by giving teachers and pupils every

facility for the use of its privileges. Teachers are allowed books for schoolroom use in almost unlimited number. Cards are issued to pupils of the high schools and of the eighth and ninth grades of the grammar schools, irrespective of age. Books hereafter are to be delivered by the librarian at all the large buildings every week. For the benefit of the high schools the reference room, with an attendant in charge, will be open daily. A catalogue of suitable books is in preparation by a committee of teachers, and other plans are suggested for placing the library more closely in touch with the schools. If parents, teachers, and pupils will only co-operate heartily we may expect advantages to accrue in the formation of reading habits of incalculable value.

EVENING SCHOOLS.

The attendance at the evening schools for the season of 1895 has been exceptionally small. The enforcement of the rule of the Board requiring registration of pupils under eighteen years of age to be made by parent or guardian, prevented the temporary attendance of the class that have heretofore crowded into the schools for a few evenings, only to drop out after finding that attention to business was imperative. Those who have attended are mostly mature, and have exhibited an earnestness of purpose and a devotion to study that have resulted in most cases in marked progress. Our schools keep fifty evenings, the minimum required by the law. It is probable that if the course were twice as long and the pupils congregated in a single school, a larger number of students would be enrolled. In one brief term many pupils get well under way, and then are obliged to stop without having accomplished a full course in any study. A petition from the pupils in the Prescott School for an extension of the term has been granted, and the result will be watched with interest. The average attendance for 1895 has been 106, and the per capita cost \$9.10 for forty-five sessions.

THE WORK OF SPECIAL TEACHERS.

DRAWING.

In June, the Supervisor of Drawing who had so efficiently conducted this department of our school work for several years resigned, and was succeeded by Mary L. Patrick, of Newton. Miss

Patrick brings to the discharge of her duties thorough training and great enthusiasm. Her methods are those approved most heartily by the State Supervisor of Drawing. The use of drawing books has been suspended for the present, paper being substituted. This change is without detriment to the work done and in the interests of economy, — the expenses of the department being \$800 less than last year.

In her report to the Superintendent Miss Patrick says: —

“ ‘ Art, if properly taught, has a great educational value apart from the subject learned. It develops accuracy of observation, reasoning from effect to cause, a power of analysis, a love of the beautiful, a tenderness and susceptibility of mind, habits of neatness, an accurate, workmanlike use of the hand, and in addition, is of value in the teaching of science and other subjects.’ ”

“ No one questions the importance of drawing as part of the public school curriculum, but the query does arise as to the best way in which to accomplish the ends mentioned in this quotation. Will not the question be partly answered when children are led to see keenly for themselves, when the drawing on the paper becomes an exact record of the picture in the pupil’s mind ? ”

“ We all agree with Ruskin when he says, ‘ I would rather teach drawing that my pupils may learn to love nature, than teach the looking at nature that they may learn to draw.’ When the child sees the world through his own eyes, then will he gain the power to draw independently and freely, and only then.

“ With this thought in mind we ask pupils to apply their knowledge of drawing to illustrate science work and other subjects. Home sketches, showing the principles studied in school, are also encouraged, and thoughtful, intelligent work has been the result.

“ But as familiarity with the best literature of the day is necessary in order to appreciate good English, just so important is it that systematic instruction in drawing should supplement the child’s sketches. Therefore the course through the primary grades consists chiefly in the study of form. This is followed, in the grammar grades, by drawing in its threefold character of representation, construction, and decoration. Feeling that the use of clay to emphasize form-study results merely in the child’s conception of the object, and that the knowledge gained is very slight, we have dropped it this year and anticipate equally good work from the classes.

“ Results are not seen in a week or a month, or even a year, but as each week pupils see more fully ‘ the world, the beauty and the wonder, and the power, the shapes of things, their colors, lights, and shades, changes, surprises,’ may we not feel that drawing in its broadest sense is being taught, and that the results that we desire will surely follow ” ?

MUSIC.

At the beginning of the current school year the use of the Normal System of music was extended to include the sixth grade,

displacing the national system. This gave to the junior supervisor, Mrs. Garwood, the charge of the six lower grades, and left Mr. Hadley free to give more instruction in the upper grammar grades and in the high schools. This change has been to general advantage. Indeed, it was forced upon us by the growth of the schools. The facilities for instruction in music furnished by the separation of the English and Classical departments of the High School are noteworthy, and furnish another evidence of the advantages of division.

In her report to the Committee Mrs. Garwood says : —

“I am pleased to report the music study in our schools as enthusiastically pursued through the six lower grades.

“The teachers heartily responded to an invitation from me to attend a course of six lessons at the beginning of the school year. The attendance at every lesson was very gratifying, and the results of the training have been evident in the class teaching. In these lessons the teachers of advanced work have obtained a knowledge of what the classes had been studying as preparatory steps, and knowing what had been attempted, could better proceed with present duties. The work of supervising can now be done to much better advantage. Teachers report classes as coming to them with a better knowledge, and so more able to do the grade work in music.

“The sixth grade classes have at once taken up three-voice work, intelligently and with pleasure. Where we have the Normal Reader in these grades the interest is greater and the work better. Superior material secures superior results.

“I would earnestly ask that we have more books in the fourth and fifth grades, that our time may all be used in singing, and not wasted in carrying and distributing books. Then, too, the books can have better care, each child being responsible for injuries received by a book when in his possession.

“The Cecilian, Book I., has been a source of pleasure and profit to the little people, as through rote songs musical appreciation and taste are cultivated.

“I would cordially invite both parents and members of the Committee to visit classes and hear the music. Their presence will encourage both pupils and teachers and stimulate to greater effort.”

SEWING.

At the close of the last school year Mrs. C. M. Coffin, a teacher of sewing in our schools since its introduction and one to whom much of the credit can be given for the establishment and excellence of our present system, as well as for her faithful instruction, gave up the work for a well-earned rest. She was succeeded by Sarah I. Stanton, a lady of experience, well equipped for her duties.

With the beginning of the year, instruction in sewing was extended to the girls of the eighth grade and omitted in the fourth grade.

Even with this change the teachers are obliged to combine classes and can give less individual instruction than is desirable. When arrangements are made to give the girls of the two upper grammar grades instruction in cooking, a return of sewing to the fourth grade and the employment of another teacher will probably be found advisable.

PHYSICAL TRAINING.

The services of a special instructor in this branch were continued till the first of June with excellent results. With the impetus thus received the regular teachers are continuing the work with enthusiasm. The time now taken for physical exercises is 100 minutes weekly. It seems, on the whole, best to reduce this time to an hour per week and to give the remainder, at least in primary grades, to an open-air recess. In this connection attention is called to the following utterance of the Committee of Fifteen on this subject:—

“In regard to physical culture, your Committee is agreed that there should be some form of special daily exercises amounting in the aggregate to one hour each week, the same to include the main features of calisthenics, and German, Swedish, or American systems of physical training, but not to be regarded as a substitute for the old-fashioned recess, established to permit the free exercise of the pupils in the open air. Systematic physical training has for its object rather the will training than recreation, and this must not be forgotten. To go from a hard lesson to a series of calisthenic exercises is to go from one kind of will training to another. Exhaustion of the will should be followed by the caprice and wild freedom of the recess. But systematic physical exercise has its sufficient reason in its aid to a graceful use of the limbs, its development of muscles that are left unused, or rudimentary, unless called forth by special training, and for the help it gives to the teacher in the way of school discipline.”

PENMANSHIP.

It seems an easy matter to teach children to make the fifty-two characters used in writing. They begin when they enter school and keep at it for nine years, and yet, measured by the conventional standards, the results are unsatisfactory. These results have to do with two things,—the product and the process of obtaining it. Viewed simply as a product, most of the writing obtained in our schools in former years was fairly satisfactory. It possessed the essential quality of legibility and was not always wanting in beauty. It only approximated the copperplate calligraphy of the copy-book, but it could be read easily.

But the process which produced this writing provoked just criticism. It was slow, awkward, labored, unhygienic, productive of myopia, astigmatism, and spinal disorders, made by finger movements only, and unscientific generally. Hence recent efforts of teachers have been directed to the correction of the faults of position and movement. The aim has been to secure upright bodies, erect heads, and easy, free, natural movements of the hand and arm. This is approximately done during the penmanship exercises when the whole thought of the child and the entire energy of the teacher are focused on this single object. If enough of this writing were done and no other style obtruded, a habit would be formed, a method fixed, and the vexed question settled. But herein lies the whole difficulty. From the day the child enters the school till he leaves it he writes by the hour without the teacher's supervision. His thought is turned towards the subject on which he is writing. He assumes the position and the movement which seem to him easiest or most convenient. He writes with cramped hand, crooked body, turned head, and in poor form generally, and in this way, by hours of the use of a bad process, a writing habit is formed which minutes of scientifically correct exercise cannot eradicate. Hence the difficulties of teaching penmanship. Written exercises in language, geography, history, etc., cannot be suspended till the child has formed the correct writing habit, and so what appear the least important, position and movement, are sacrificed.

Two years ago the attempt was made to correct the evil by introducing a "natural-movement method of writing," disregarding for awhile the character of the product, and directing all efforts to the process. The struggle has been against the large odds of bad habits fixed by years of bad practice. The results, however, have shown that there is a natural, easy way of writing in good position and form, and that even with all the obstacles to be overcome, school children may acquire a handwriting that to its legibility shall add the advantage of rapid production without tiring the writer.

During the transition period in the middle grades the appearance of the writing suffers, and to an extent the written exercises. But this is to be expected where bad habits have so long prevailed.

Not all teachers are equally successful in securing the correct process. The same remark applies to the teaching of any subject. The best teachers get the best results, whatever they teach. It may

be said, however, that there has been a general effort among teachers, and that marked improvement has been made.

The services of a supervisor, who is to give his entire time to the work, have been engaged for the remainder of the year, and it is expected that advance will be made in fixing correct habits, and that satisfactory writing, produced by scientific and hygienic processes, will result.

REPORT OF THE COMMITTEE OF FIFTEEN.

Perhaps the most notable educational event of the year is the Report of the Committee of Fifteen. Appointed in 1893 by the Department of Superintendence of the National Educational Association, this committee was designed to do, in connection with elementary schools, what its now famous predecessor, the Committee of Ten, has done for secondary education.

The committee was composed of educational experts, carefully selected from all parts of the country. Probably no abler or more representative body of men could have been secured for the work they were to do. The virtual head of the committee and the author of the principal part of its report was the Hon. W. T. Harris, United States Commissioner of Education, by common consent without a peer in whatever concerns the public-school system of the country. His associates were principally school superintendents of large cities, life-long students of educational problems, some radical, some conservative, some occupying the safe middle ground. The careful, deliberate, unanimous conclusions of such a body of men have great weight. The report on the whole is conservative, and not acceptable to the extremists. This is its strongest recommendation. It should be carefully read by every school-man as showing the trend of educational thought and the conclusions of experts on the three important subjects,—“The Training of Teachers,” “The Correlation of Studies in Elementary Education,” and “The Organization of City School Systems.” So valuable do I regard this document that I wish to make the entire volume a part of this report, and to that end have provided each member of the Board with a copy. I cannot refrain from making a few quotations from it, somewhat at random. They give a few of the profitable suggestions with which the report is filled.

“Your Committee would sum up these considerations by saying that *language* rightfully forms the center of instruction in the elementary school, but that progress in methods of teaching is to be made, as hitherto, chiefly by laying more stress on the internal side of the word, its meaning; using better graded steps to build up the chain of experience or the train of thought that the word expresses.

“The reading and study of fine selections in prose and verse furnish the chief *æsthetic training* of the elementary school. But this should be re-enforced by some study of photographic or other reproductions of the world's great masterpieces of architecture, sculpture, and painting. The frequent sight of these reproductions is good; the attempt to copy or sketch them with the pencil is better; best of all is an æsthetic lesson on their composition, attempting to describe in words the idea of the whole that gives the work its organic unity, and the devices adopted by the artist to reflect this idea in the details and re-enforce its strength. The æsthetic taste of teacher and pupil can be cultivated by such exercises, and once set on the road of development this taste may improve through life.

“Your Committee recommends that *reading* be given at least one lesson each day for the entire eight years, it being understood, however, that there shall be two or more lessons each day in reading in the first and second years, in which the recitation is necessarily very short, because of the inability of the pupil to give continued close attention, and because he has little power of applying himself to the work of preparing lessons by himself. In the first three years the reading should be limited to pieces in the colloquial style, but selections from the classics of the language in prose and in poetry shall be read to the pupil from time to time, and discussions made of such features of the selections read as may interest the pupils. After the third year your Committee believes that the reading lesson should be given to selections from classic authors of English, and that the work of the recitation should be divided between (*a*) the elocution, (*b*) the grammatical peculiarities of the language, including spelling, definitions, syntactical construction, punctuation, and figures of prosody, and (*c*) the literary contents, including the main and accessory ideas, the emotions painted, the deeds described, the devices of style to produce a strong impression on the reader. Your Committee wishes to lay emphasis on the importance of the last item,—that of literary study,—which should consume more and more of the time of the recitation from grade to grade in the period from the fourth to the eighth year. In the fourth year and previously the first item—that of elocution, to secure distinct enunciation and correct pronunciation—should be most prominent. In the fifth and sixth years the second item—that of spelling, defining, and punctuation—should predominate slightly over the other two items. In the years from the fifth to the eighth there should be some reading of entire stories, such as *Gulliver's Travels*, *Robinson Crusoe*, *Rip Van Winkle*, *The Lady of the Lake*, *Hiawatha*, and similar stories adapted in style and subject-matter to the capacity of the pupils. An hour should be devoted each week to conversations on the salient points of the story, its literary and ethical bearings.

•

"The *class exercise or recitation* is taken up with examining and criticising the pupil's oral statements of what he has learned, especial care being taken to secure the pupil's explanation of it in his own words. This requires paraphrases and definitions of the new words and phrases used in technical and literary senses, with a view to insure the addition to the mind of the new ideas corresponding to the new words. The misunderstandings are corrected and the pupil set on the way to use more critical alertness in the preparation of his succeeding lessons. The pupil learns as much by the recitations of his fellow-pupils as he learns from the teacher, but not the same things. He sees in the imperfect statements of his classmates that they apprehended the lesson with different presuppositions and consequently have seen some phases of the subject that escaped his observation, while they in turn have missed points which he had noticed quite readily. These different points of view become more or less his own, and he may be said to grow by adding to his own mind the minds of others.

"With one teacher who supervises the study and hears all the recitations, there is a much better opportunity *to cultivate the two kinds of attention*. The teacher divides his pupils into two classes and hears one recite while the other class prepares for the next lesson. The pupils reciting are required to pay strict attention to the one of their number who is explaining the point assigned him by the teacher—they are to be on the alert to notice any mistakes of statement or omissions of important data, they are at the same time to pay close attention to the remarks of the teacher. This is one kind of attention, which may be called associated critical attention. The pupils engaged in the preparation of the next lesson are busy, each one by himself, studying the book and mastering its facts and ideas, and comparing them one with another, and making the effort to become oblivious of their fellow-pupils, the recitation going on, and the teacher. This is another kind of attention, which is not associated, but an individual effort to master for one's self without aid a prescribed task and to resist all distracting influences. These two disciplines in attention are the best formal training that the school affords.

"A *frequent error* is the practice of making every recitation a language lesson, and interrupting the arithmetic, geography, history, literature, or whatever it may be, by calling the pupil's attention abruptly to something in his forms of expression, his pronunciation, or to some faulty use of English; thus turning the entire system of school work into a series of grammar exercises and weakening the power of continuous thought on the objective contents of the several branches, by creating a pernicious habit of self-consciousness in the matter of verbal expression. While your Committee would not venture to say that there should not be some degree of attention to the verbal expression in all lessons, it is of the opinion that it should be limited to criticism of the recitation for its want of technical accuracy. The technical words in each branch should be discussed until the pupil is familiar with their full force. The faulty English should be criticised as showing confusion of thought or memory, and should be corrected in this sense. But solecisms of speech should be silently noted by the teacher for discussion in the regular language lesson.

“It is of course understood by your Committee that the substantial *moral training* of the school is performed by the discipline rather than by the instruction in ethical theory. The child is trained to be regular and punctual, and to restrain his desire to talk and whisper—in these things gaining self-control day by day. The essence of moral behavior is self-control. The school teaches good behavior. The intercourse of a pupil with his fellows without evil words or violent actions is insisted on and secured. The higher moral qualities of truth-telling and sincerity are taught in every class exercise that lays stress on accuracy of statement.

“The *history of English Literature* is another study of the secondary school. It is very properly placed beyond the elementary school, for as taught it consists largely of the biographies of men of letters. The pupils who have not yet learned any great work of literature should not be pestered with literary biography, for at that stage the greatness of the men of letters cannot be seen. Plutarch makes great biographies because he shows heroic struggles and great deeds. The heroism of artists and poets consists in sacrificing all for the sake of their creations. The majority of them come off sadly at the hands of the biographer, for the reason that the very sides of their lives are described which they had slighted and neglected for the sake of the Muses. The prophets of Israel did not live in city palaces, but in caves; they did not wear fine raiment, nor feed sumptuously, nor conform to the codes of polite society. They were no courtiers when they approached the king. They neglected all the other institutions—family, productive industry and state—for the sake of one, the church, and even that not the established ceremonial of the people, but a higher and more direct communing with Jehovah. So with artists and men of letters it is more or less the case that the institutional side of their lives is neglected, or unsymmetrical, or if this is not the case it will be found prosaic and uneventful, throwing no light on their matchless productions.

“For these reasons should not the present use of literary biography as it exists in secondary schools, and is gradually making its way into elementary schools, be discouraged, and the time now given to it devoted to the study of literary works of art? It will be admitted that the exposure of the foibles of artists has an immoral tendency on youth: for example, one affects to be a poet, and justifies laxity and self-indulgence through the example of Byron. Those who support this view hold that we should not dignify the immoral and defective side of life by making it a branch of study in school.

“The constant tendency of *classification* to become imperfect by reason of the difference in rates of advancement of the several pupils, owing to disparity in ages, degree of maturity, temperament, and health, makes frequent reclassification necessary. This is easily accomplished by promoting the few pupils who distance the majority of their classmates into the next class above, separated as it is, or ought to be, by an interval of less than half a year. The bright pupils thus promoted have to struggle to make up the ground covered in the interval between the two classes, but they are nearly always able to accomplish this, and generally will in two years' time need another promotion from class to class.

"In all good school systems the pupils take up new work when they have completed the old, and the bright pupils are transferred to higher classes when they have so far distanced their fellows that the amount of work fixed for the average ability of the class does not give them enough to do."

THE WORK OF THE SCHOOLS, PAST AND FUTURE.

It may seem that thus far this report has dealt chiefly with the material and financial interests of our schools to the exclusion of the real work done in them by teachers and pupils. It is impossible to measure mental growth, the acquisition of power, the development of character. It is difficult to make an inventory of the intangible but no less real products that day by day and week by week are wrought out through the diligent labors and subtle influences of the schoolroom. To say that teachers have been faithful, enthusiastic, devoted, and that children have responded with interest and profit, seems a trite remark. And yet it states a fact recognized by all who have observed our schools during the year. The year has been one of patient, intelligent, uninterrupted labor. There have been no innovations, no new departures. The work has progressed along the given lines, steadily and without digression. There has been the spirit of harmony and co-operation so essential to success. There have been some apparent failures to reach desirable ends. Ideals have not been attained in any instance. But as far as can be seen there have been steady advances. Somerville teachers take a just pride in their work and in the reputation of their schools, and it is their determination to maintain their high standard.

I venture to suggest six directions in which special effort should be made by teachers and principals during the coming year :—

More mid-year individual promotions should be made. The number of these in 1895 is but one half those in 1894. There are more pupils in the school, with ability to push ahead of their associates. These should be found, encouraged, and placed in higher grades. As far as our large numbers will permit, the work should be individualized. Wherever possible, the plan of grading suggested in the reports of the last two years should be followed.

The work in physiology and elementary science should be systematized. If need be, special courses of instruction should be secured by teachers.

The change of text-books in geography has made necessary not only a change in the arrangement of courses, but also a modification of methods of teaching. To these, early and continued attention should be given.

We must secure less mechanical and more thought work. The power of attention, of concentration, of reasoning, of independent investigation and conclusion, the spirit of self-reliance must be more diligently cultivated.

Graduates are now deficient in the ability to express their thoughts, orally and in writing, with clearness and correctness. Training of the language faculty and the power of expression should receive constant attention.

And lastly, our efforts should be continually directed throughout all grades to develop the moral nature, to teach self-control, to make children honorable, to secure right conduct by controlling motives and appealing only to what is highest and best in the child.

IMPROVEMENTS SUGGESTED.

It may serve the purpose of convenience if we group together suggestions for the improvement of the schools made in this and previous reports. Not all these things can be secured at once, but they should be in our thought as objects to be accomplished whenever the financial conditions are favorable:—

1. The increase of school accommodations by the erection of buildings in East Somerville, on Hudson street, on Beech street, and on Washington street, and by the enlargement of the Glines school-house. Land should be secured for a building in the westerly part of Ward Three.

2. The consequent reduction of the number of pupils assigned to each instructor to a teachable limit.

3. The establishment of kindergartens in all parts of the city.

4. The revision of the course of study with the possibility of important modifications of elementary school work.

5. The extension of the manual training course in the English School, with the consideration of the location and erection of a separate building for a manual training school.

6. The increase of the supply of standard literature for reading and study in the upper grammar grades.

7. The establishment of cooking-schools for ninth-grade girls. A beginning could be made at once in the Prospect Hill building.
8. The modification or extinction of present district lines.
9. The more frequent and thorough cleansing of schoolrooms.
10. The ventilation of the Bell schoolhouse in accordance with the recommendation of the State Inspector, and the completion of the ventilating system of the Prescott, in accordance with the original plans.
11. The substitution of adjustable furniture for the old-fashioned desks and chairs so ill-adapted to health and comfort.
12. The provision of additional windows to increase the light in several of the older buildings.
13. The improvement of schoolhouse grounds and surroundings.
14. The adoption of a five-years' course of study in the Latin School, open to eighth-grade pupils.
15. The establishment of a fixed schedule of salaries for teachers in high schools.
16. The disuse of schoolrooms for election purposes.
17. The reorganization of the administrative system of the schools in connection with a new city charter.

IN CONCLUSION.

Great activity continues in all parts of the educational world. All phases of the important problems of education, new and old, are everywhere under discussion by educational reformers, by thoughtful and progressive teachers, and by the intelligent public. The time is one of investigation, of experiment, and of earnest desire to find what is best. Experts are not yet agreed as to the fitting solutions of the great questions. The leaders differ among themselves. On one point only are all united, the immeasurable value of education to the individual, to society, to the State. Out of all this agitation the best will be evolved. The true ends and aims of education, the subjects to be taught, the right sequence of their presentation, the best methods of teaching, these and other fundamental questions are in process of solution. We must patiently wait their answer.

In the meantime local conditions, the needs of our own community must govern our action, our courses of study, our methods of instruction. If the changes and improvements suggested can be secured,

if we can increase the effectiveness of our teaching force by concentrating it on fewer pupils, if we can stimulate all our instructors to attain the standards of the best among us, if we can adopt in our objects and methods whatever has passed the stage of experiment and proved its value, if there can be an onward and upward movement all along our lines and the joining of hands for a common purpose among all who are interested,—the public, the press, parents, teachers, pupils, the school board, the government of our city, the supervising force,—if all these things can be achieved there need be no fear but that the best interests of our schools will be conserved, their standard advanced, and their blessings secured.

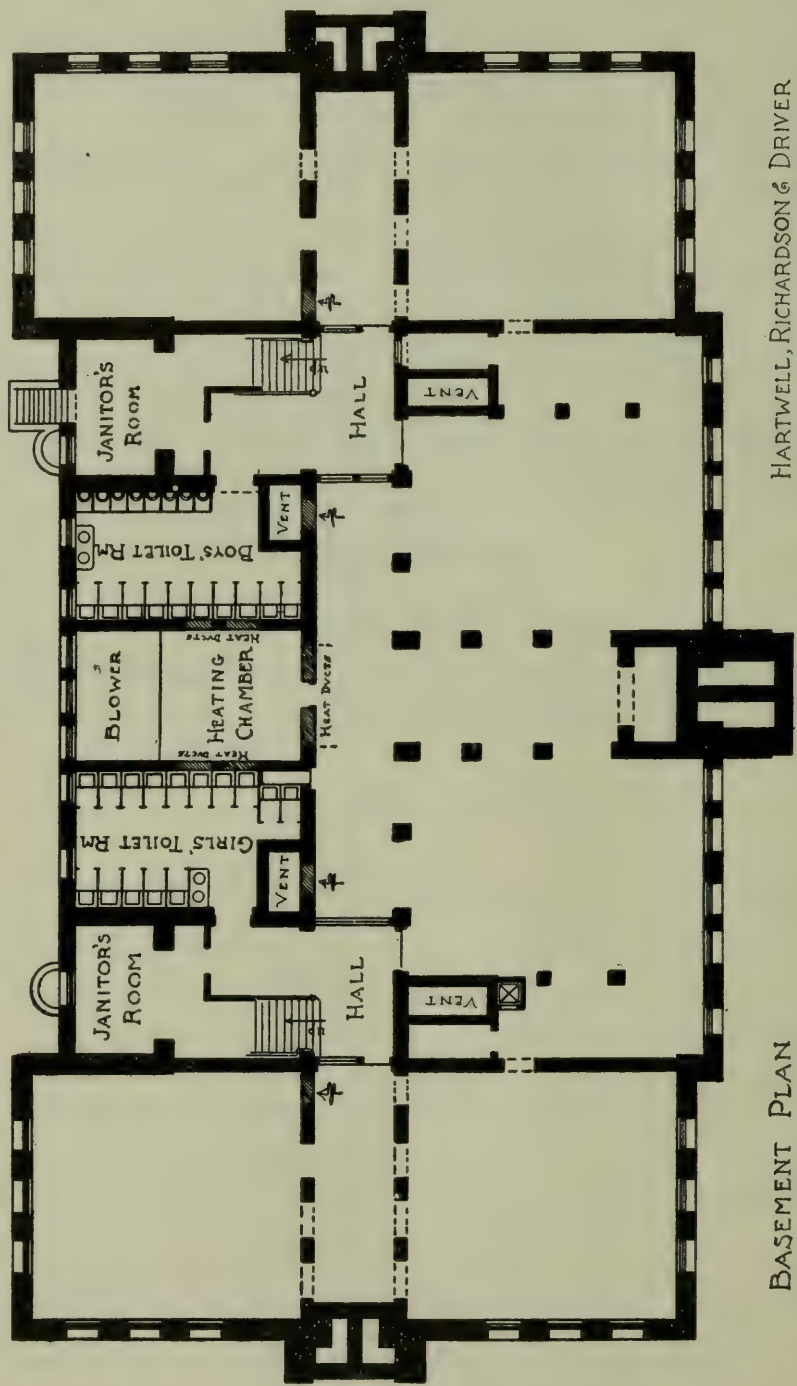
The Superintendent acknowledges with gratitude the sympathy and aid given him by principals and teachers, and the kindness and forbearance shown him by members of the Board in the discharge of his duties during the year.

Respectfully submitted,

G. A. SOUTHWORTH,

Superintendent.

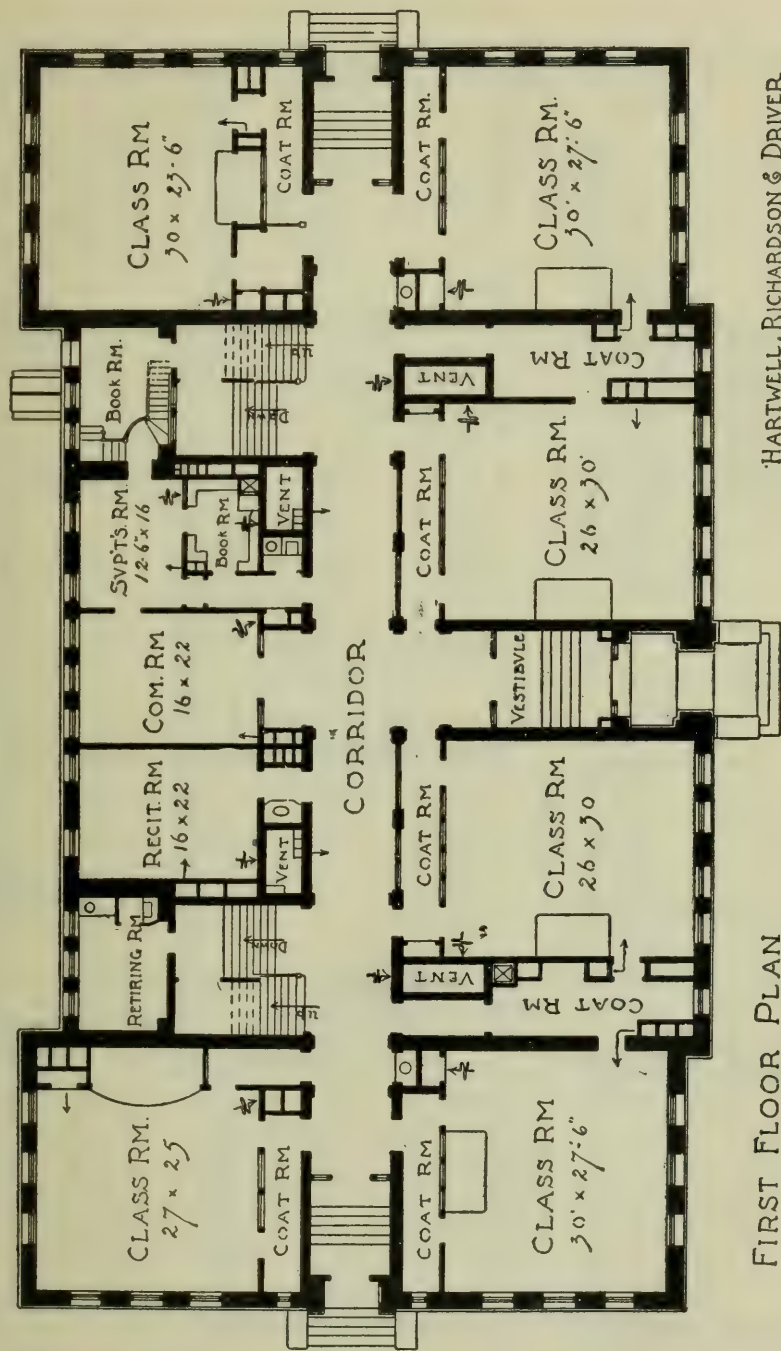
SOMERVILLE, Dec. 30, 1895.



HARTWELL, RICHARDSON & DRIVER
ARCHITECTS. BOSTON

BASEMENT PLAN
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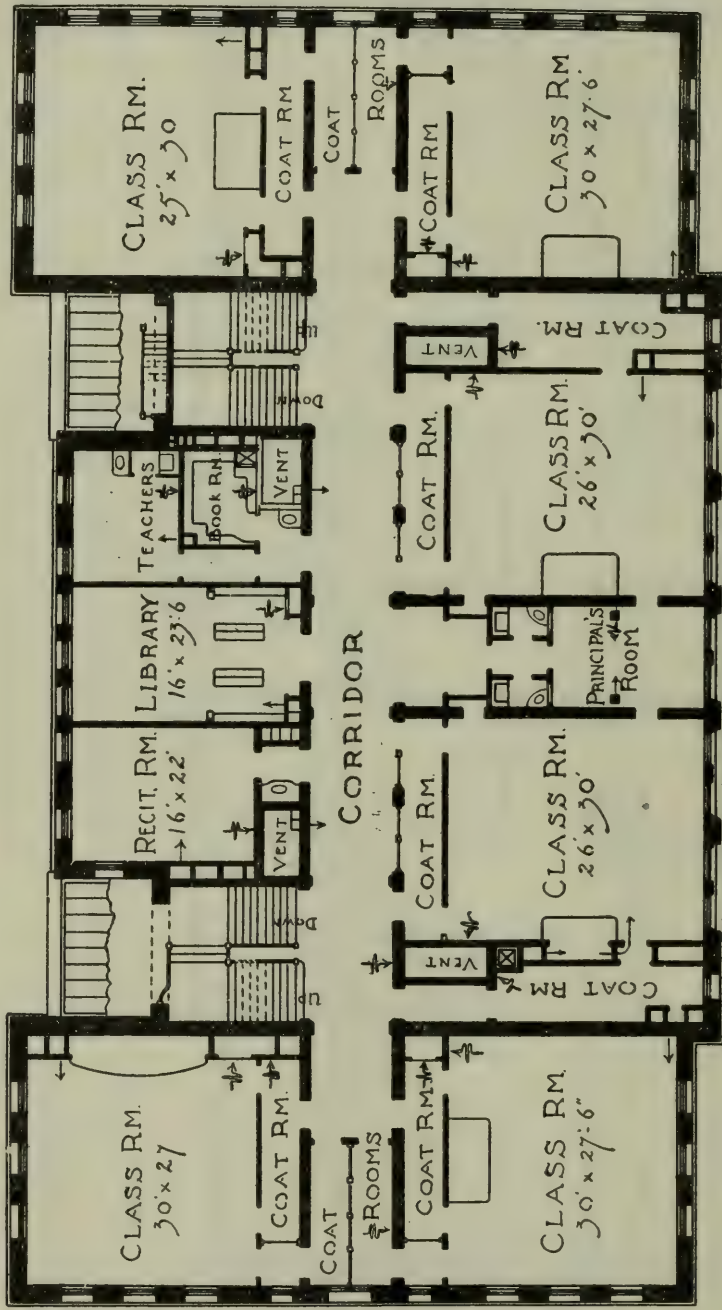
• HIGH SCHOOL BUILDING • SOMERVILLE MASS •



HARTWELL, RICHARDSON & DRIVER
ARCHITECTS, BOSTON

FIRST FLOOR PLAN
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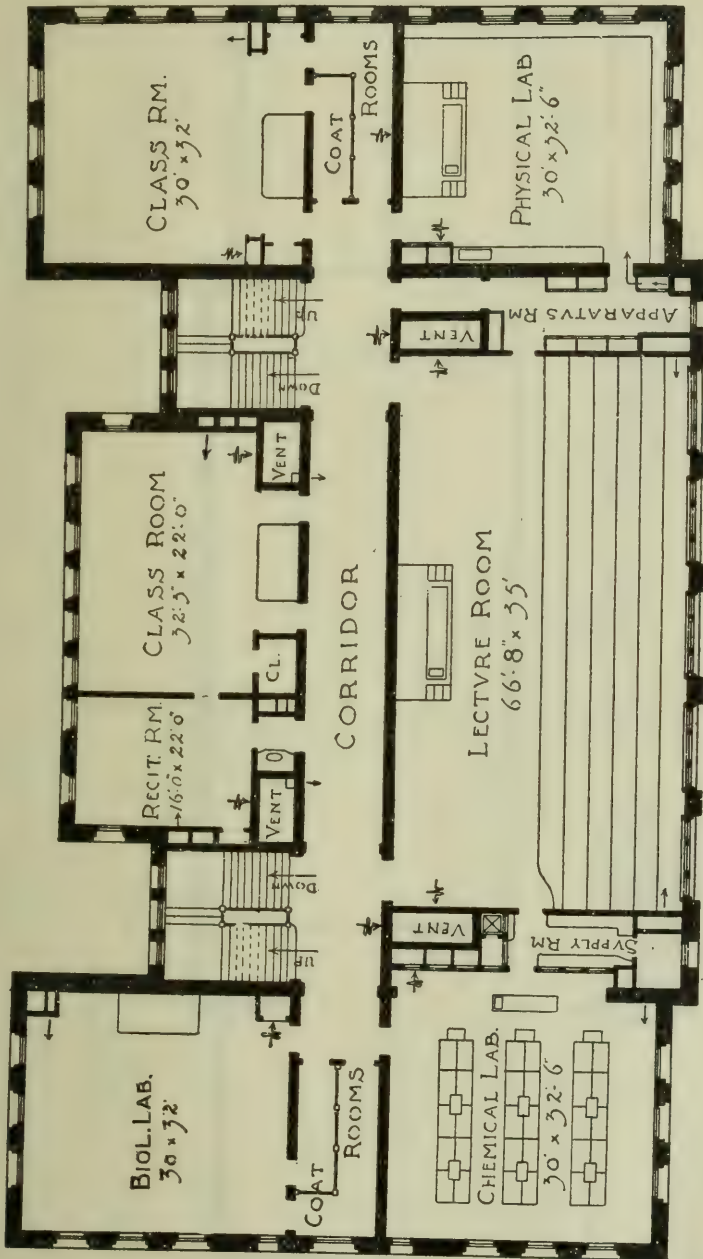
• HIGH SCHOOL BUILDING • SOMERVILLE MASS •



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SECOND FLOOR PLAN
SCALE 0 5 10 15'

• HIGH SCHOOL BUILDING • SOMERVILLE MASS •

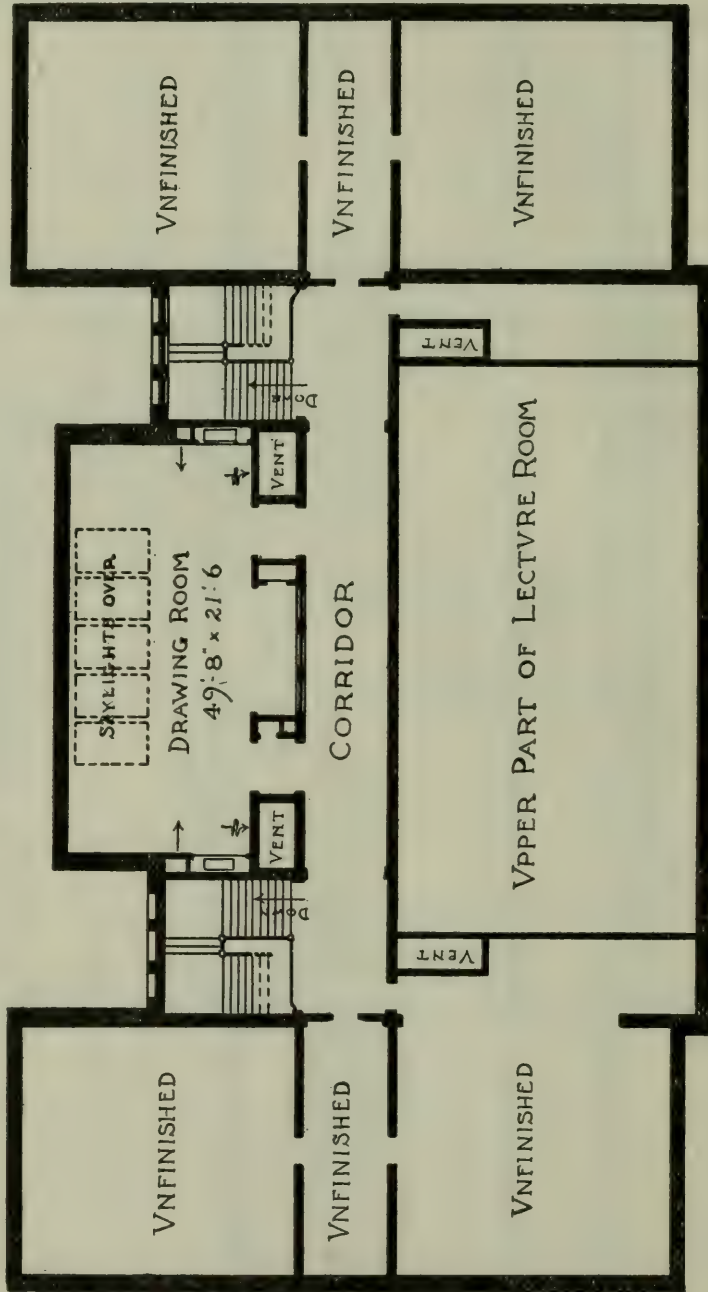


THIRD FLOOR PLAN

SCALE 0 5 10 15

HARTWELL RICHARDSON & DRIVER
ARCHITECTS BOSTON

• HIGH SCHOOL BUILDING • SOMERVILLE MASS •



FOURTH FLOOR PLAN
SCALE 0 10 20

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• HIGH SCHOOL BUILDING • SOMERVILLE MASS.

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TABLE 1.—SCHOOLHOUSES.

	NAME.	No. of Classrooms.	Rooms not occupied.	Size of Lot.	Valuation.	When built.	No. of years used.	Enlargements.
1	Latin High School	a4	1	.....	\$50,000	1871	24	
2	English High	b14	.	.....	140,000	1895	..	
3	Prescott	12	.	21,444	47,000	1867	28	
4	Edgerly	12	.	26,428	47,000	1871	24	{ 4 rooms added 1882 4 " " 1892
5	L. V. Bell	12	.	23,396	47,000	1874	21	
6	C. G. Pope	12	.	27,236	62,000	1891	4	
7	O. S. Knapp	13	.	24,517	47,000	1889	6	4 rooms added 1894
8	Forster	12	.	27,499	47,000	1866	29	
9	Morse	12	.	29,109	47,000	1869	26	6 rooms added 1890
10	Highland	12	.	23,260	47,000	1880	15	4 rooms added 1891
11	J. T. Glines	9	.	28,800	46,400	1891	4	
12	Bingham	8	.	21,017	30,000	1886	9	4 rooms added 1894
13	Prospect Hill	6	3	25,313	21,000	1848	47	4 rooms added 1865
14	Davis	4	.	38,152	25,700	1884	11	
15	Bennett	4	.	20,560	10,600	1868	27	
16	Jackson	4	.	11,212	8,600	1861	34	
17	Cummings	4	.	11,300	15,700	1884	11	
18	Franklin	4	.	33,017	15,600	1846	49	2 rooms added 1862
19	G. W. Durell	4	.	13,883	19,000	1894	1	
20	Burns	4	.	16,080	15,700	1886	9	
21	Lincoln	4	.	17,662	14,700	1885	10	
22	Beech Street	2	.	6,000	4,800	1872	23	
23	Cedar Street	2	.	.....	800	1843	52	{ Moved from Broad- way 1868.
24	Harvard	1	.	9,810	3,600	1851	44	{ Moved from Cherry street 1867, from Kent street 1871.
	Total,	175	4	.....	\$813,200	....	..

(a) Six recitation rooms, a physical laboratory, three teachers' rooms.

(b) A chemical, a physical, a biological laboratory, three recitation rooms, a lecture hall, drawing room, two teachers' rooms, library, and principal's office. Four manual training rooms in basement.

TABLE 2.—COST OF MAINTAINING SCHOOLS, 1895.

SCHOOL.	Instruction and Supervision.	Janitors, Water, Heat, Light.	School Supply Expenses.	Total.
Old High (a) . . .	\$ 9,921.63	\$1,367.94	\$ 363.01	\$11,652.58
Latin High (b) . . .	4,928.79	624.87	544.53	6,098.19
English High (b) . . .	8,203.41	987.76	6,018.93	15,210.10
Bell	10,002.31	1,220.95	656.90	11,880.16
Edgerly	9,919.50	1,413.83	708.55	12,041.88
Forster	9,715.61	1,248.15	710.90	11,674.66
Highland	10,379.31	1,451.75	806.29	12,637.35
Knapp	10,057.87	1,754.81	796.45	12,609.13
Morse	9,853.81	1,483.51	801.56	12,138.88
Pope	10,251.37	1,632.14	661.98	12,545.49
Prescott	10,179.18	1,261.84	722.15	12,163.17
Bingham	5,475.52	936.67	320.14	6,732.33
Glines	6,162.61	1,164.01	302.60	7,629.22
Burns	3,170.07	559.92	219.21	3,949.20
Cummings	2,444.16	541.25	118.60	3,104.01
Davis	2,831.93	498.59	178.09	3,508.61
Durell	2,636.32	571.42	214.94	3,422.68
Franklin	2,759.82	381.48	208.27	3,349.57
Lincoln	3,587.81	736.39	304.03	4,628.23
Bennett	2,123.10	257.46	49.18	2,429.74
Jackson	2,521.22	301.53	99.79	2,922.54
Prospect Hill	1,591.96	415.00	130.11	2,137.07
Beech Street	1,451.48	244.22	58.78	1,754.48
Cedar Street	1,282.10	171.36	50.20	1,503.66
Harvard	631.98	88.38	17.97	738.33
Evening Schools . . .	2,030.00	459.69		2,489.69
Totals	\$144,112.87	\$21,774.92	\$15,063.16	\$180,950.95

(a) For 6 months.

(b) For 4 months.

TABLE 3.—COST PER CAPITA OF MAINTAINING SCHOOLS, 1895.

SCHOOL.	Instruction and Supervision.	Janitors, Water, Heat, Light.	School Supply Expenses.	Total.
Old High (<i>a</i>) . . .	\$16.29	\$2.25	\$.60	\$19.14
Latin High (<i>b</i>) . . .	18.67	2.37	2.06	23.10
English High (<i>b</i>) . . .	17.16	2.07	12.60	31.83
Bell	17.83	2.18	1.17	21.18
Edgerly	17.68	2.52	1.25	21.45
Forster	17.89	2.30	1.31	21.50
Highland	17.10	2.39	1.33	20.82
Knapp	18.91	3.30	1.50	23.71
Morse	17.72	2.67	1.44	21.83
Pope	19.98	3.18	1.29	24.45
Prescott	17.83	2.21	1.26	21.30
Bingham	15.60	2.67	.91	19.18
Glines	16.22	3.06	.79	20.07
Burns	12.48	2.20	.87	15.55
Cummings	14.13	3.13	.68	17.94
Davis	14.02	2.47	.88	17.37
Durell	14.49	3.14	1.18	18.81
Franklin	17.58	2.43	1.33	21.34
Lincoln	16.31	3.35	1.38	21.04
Bennett	16.46	2.00	.38	18.84
Jackson	15.76	1.88	.62	18.26
Prospect Hill	16.76	4.37	1.37	22.50
Beech Street	13.57	2.29	.55	16.41
Cedar Street	22.11	2.95	.87	25.93
Harvard	14.36	2.01	.41	16.78
High Schools	\$34.82	\$4.51	\$10.46	\$49.79
Gram. and Primary Schs. .	17.41	2.70	1.17	21.28
All Schools	18.92	2.86	1.98	23.76

(*a*) For 6 months.(*b*) For 4 months.

TABLE 4.—ANNUAL COST OF MAINTAINING THE SCHOOLS
FOR A SERIES OF YEARS.

Amounts are given to the nearest dollar and include what has been paid for maintaining day and evening schools of all grades.

YEAR.	Average Membership.	Instruction and Supervision.	Water and Light	Heating.	Janitors.	School Supplies	Total.
1885	4,904	\$ 79,506	\$ 728	\$4,965	\$ 4,000	\$ 8,449	\$ 97,648
1886	4,985	83,542	624	4,929	4,194	6,676	99,865
1887	5,198	86,713	765	6,475	5,084	7,526	106,563
1888	5,488	88,967	953	7,121	5,892	7,421	110,354
1889	5,956	96,466	805	6,081	6,448	9,903	119,703
1890	6,486	104,184	1,004	5,586	7,539	10,371	128,684
1891	6,502	114,066	1,047	8,032	8,544	13,899	145,588
1892	7,035	124,232	1,064	7,148	9,795	12,944	155,183
1893	7,217	128,720	1,014	8,312	10,160	10,137	158,333
1894	7,212	132,919	958	9,673	10,686	10,919	165,155
1895	7,617	144,113	1,398	8,796	11,581	15,063	180,951

TABLE 5.—ANNUAL COST PER CAPITA OF MAINTAINING
SCHOOLS

FOR A SERIES OF YEARS.

[Based on the average membership.]

YEAR.	Instruction and Supervision.	Janitors, Water, Heat, and Light.	School Supply Expenses.	Total.	Assessors' valuation of City.	Ratio of cost of school maintenance to valuation.
1885	\$16.21	\$1.98	\$1.72	\$19.91	\$24,878,400	.00392
1886	16.76	1.94	1.34	20.03	26,003,200	.00384
1887	16.68	2.37	1.45	20.50	27,469,300	.00388
1888	16.21	2.54	1.36	20.11	28,756,400	.00384
1889	16.20	2.24	1.66	20.10	30,004,600	.00399
1890	16.06	2.18	1.60	19.84	32,557,500	.00395
1891	17.54	2.71	2.14	22.39	36,843,400	.00395
1892	17.66	2.56	1.84	22.06	38,093,100	.00407
1893	17.84	2.70	1.40	21.94	41,773,600	.00379
1894	18.43	2.96	1.51	22.90	44,142,900	.00374
1895	18.92	2.86	1.98	23.76	46,506,300	.00390

TABLE 6.—AMOUNT SPENT ANNUALLY FOR NEW SCHOOL-
HOUSES, AND FOR REPAIRS, ETC.,

FOR A SERIES OF YEARS.

YEAR.	For New Schoolhouses.	For Repairs.	For Maintaining Schools.	Amount spent for all school purposes.
1885	\$19,185	\$ 7,052	\$ 97,648	\$113,885
1886	15,515	8,706	99,865	114,086
1887	14,839	13,636	106,563	135,038
1888	4,996	13,994	110,354	129,344
1889	20,167	14,225	119,703	154,095
1890	75,775	19,168	128,684	223,627
1891	84,902	14,847	145,588	245,337
1892	12,679	17,734	155,183	176,001
1893	22,809	12,440	158,333	193,582
1894	82,206	*44,764	165,155	292,125
1895	87,680	15,651	180,951	284,282

* Including heating apparatus in both High School buildings.

TABLE 7.—POPULATION OF SOMERVILLE.

1842	.	.	.	.	.	1,013	1875	.	.	.	.	.	21,594
1850	.	.	.	.	.	3,540	1880	.	.	.	.	.	24,985
1860	.	.	.	.	.	8,025	1885	.	.	.	.	.	29,992
1865	.	.	.	.	.	9,366	1890	.	.	.	.	.	40,117
1870	.	.	.	.	.	14,693	1895	.	.	.	.	.	52,200

TABLE 8.—SCHOOL CENSUS, 1895.

Number of children in the city between 5 and 15 years of age, as reported by the truant officer, on the first of May.

1885	5,608	1891	6,800
1886	5,296	1892	7,191
1887	5,722	1893	7,601
1888	5,959	1894	8,040
1889	6,135	1895	8,510
1890	6,469		

BY DISTRICTS FOR 1895.

DISTRICT.	1894.	1895.	Increase.	Increase Per Cent.
East Somerville	1,459	1,504	45	3.08
Prospect Hill	2,977	3,089	112	3.76
Winter Hill	1,276	1,335	59	4.62
Spring Hill	1,200	1,311	111	9.25
West Somerville	1,128	1,271	143	12.68
Total	8,040	8,510	470	5.83
Between 8 and 14	4,993	5,242	249	4.99

TABLE 9.—ATTENDANCE OF THE PUBLIC SCHOOLS, 1895.

School.	Rooms occupied in December.	Annual Enrollment.	Average Membership.	Average Attendance.	Per cent of Attendance.	No. cases of Tardiness.	No. cases of Dismissal.	No. cases of Punishment.	No. attending in January.	No. attending in December.	Average No. to classroom in December.	No. over 15 years of age.	No. between 8 and 14 years of age.
High Schools	3	688	662	635	96.0	327	155	..	653	742	..	605	16
Old High	3	656	609	577	94.7	236	..	..	653	..	..	578	15
Latin High	14	7	264	259	98.1	36	98	..	..	267	..	2	1
English High	12	25	478	464	96.9	55	57	..	..	475	..	25	0
Bell	12	705	561	543	96.9	132	153	29	577	557	46.3	39	445
Elderly	12	684	561	540	96.3	89	41	20	556	604	50.3	43	346
Forster	12	639	543	519	95.5	89	79	19	527	601	50.1	49	321
Highland	12	753	607	579	95.1	180	260	6	617	630	52.5	73	400
Knapp	13	734	532	515	96.8	125	144	13	535	571	44.	29	370
Morse	12	680	556	522	94.0	149	152	26	562	599	50.0	64	477
Pope	12	708	513	496	96.5	168	66	35	523	577	48.1	26	437
Prescott	12	741	571	551	96.5	91	64	23	602	589	49.1	51	455
Bingham	9	483	351	334	94.9	183	113	30	367	356	44.5	3	269
Glines	4	517	380	361	95.0	80	27	9	381	395	43.9	41	247
Burns	4	285	254	239	94.3	130	104	2	198	274	68.5	0	153
Cummings	4	232	173	163	94.2	203	104	10	176	191	47.7	0	92
Davis	4	281	202	191	94.7	85	44	18	215	187	46.8	1	124
Durell	4	305	182	172	94.3	66	67	2	227	202	50.5	0	156
Franklin	4	196	157	149	94.7	54	45	8	162	185	46.	6	141
Lincoln	4	314	220	207	94.4	146	74	14	220	238	59.5	4	165
Bennett	4	205	129	119	92.1	69	26	12	121	131	43.6	0	51
Jackson	4	172	108	100	92.5	78	14	5	117	136	44.	0	44
Beech Street	2	136	107	99	92.5	101	26	3	88	104	52.	0	38
Cedar Street	2	78	58	54	93.2	70	17	4	59	63	31.	0	35
Prospect Hill	3	57	57	54	94.1	7	5	4	50	79	41.	1	87
Harvard	1	87	44	40	90.6	26	11	0	39	45	45.	0	5
Kindergarten		234	89	73	82.6	88	..	..	37	135	30.3	..	..
Total.		9,914	7,617	7,255	95.2	2,736	1,791	292	7,609	8,191	48.3	1,035	4,874
1894.		9,387	7,212	6,840	94.8	3,000	2,509	314	7,385	7,649	46.9	950	4,218

TABLE 10.—STATISTICS OF THE HIGH SCHOOLS, 1895.

	Latin.	English.	Both.
Whole number of different pupils during year .	733	30	763
Largest number at one time	267	508	775
Number admitted during the year	80	534	614
" from our Grammar schools . .	64	197	261
" from other schools	16	30	46
Number graduated	92	...	92
" of graduates who entered college . .	22	...	22
" " " Scientific schools	7	...	7
" " " Medical school .	1	...	1
" in December, 1895	267	475	742
Average number to a teacher	29.7	25.0	26.5
Number over 15 years of age . . . . .	...	421	...
" in course preparatory to college . .	267	...	267
" " fitting for Institute of Technology,	...	35	35
normal schools, etc. . . . .	...	79	79
" of special students . . . . .	...	37	37
" in thirteenth grade	54	69	123
" in twelfth grade	57	84	141
" in eleventh grade	85	120	205
" in tenth grade	71	192	263
" of post graduates . . . . .	...	10	10

TABLE 11.—PUPILS IN HIGH AND GRAMMAR SCHOOLS.

Number of persons in the city on the first day of May, 1895, between 5 and 15 years of age, 8,510.

Number between 8 and 14 years of age, 5,242.

	High Schools.	Grammar and Primary Schools.	Total.
Annual enrollment	688	9,225	9,913
Average membership	662	6,955	7,617
Average attendance	635	6,620	7,255
Per cent of attendance	96.0	95.2	95.24
Number cases of tardiness	327	2,409	2,736
Number cases of dismissal	155	1,636	1,791
Number cases of punishment . . . . .	. .	292	292
Membership, January, 1895	653	6,956	7,609
Membership, December, 1895	742	7,449	8,191
Average number to a teacher . . . . .	. .	48.3	48.3
Number over 15 years of age	605	430	1,035
Number between 8 and 14 years of age	16	4,858	4,874

TABLE 12.—NUMBER OF SCHOOLS AND PUPILS, BY DISTRICTS.

December 15, 1895.

DISTRICT.	No. of Schools.	Number of Teachers.			Number of Pupils.	Number in Ninth Grade.	Average Number to a Room.
		<i>a</i>	<i>b</i>	<i>c</i>			
East Somerville	28	2	28	. .	1,380	90	49.3
Prospect Hill	52	3	52	1	2,377	114	45.7
Winter Hill	29	1	29	1	1,352	71	46.6
Spring Hill	23	1	30	3	1,135	44	49.3
West Somerville	22	1	17	3	1,205	82	54.8
Totals	154	8	156	8	7,449	401	47.9

a. Principals of ninth-grade grammar schools.

b. Regular teachers.

c. Salaried assistants.

TABLE 13.—PUPILS BY GRADES, DECEMBER, 1895.

SCHOOL.	GRADE.	TEACHERS.			PUPILS.			Average Age.		No. single promotions in June, 1894.	No. double promotions in 1894.
		Men.	Women.		Boys.	Girls.	Total.	Years.	Months.		
			Regular.	Assistants.							
High	Special	..	..	..	3	7	10	20	5	...	..
"	Thirteenth Class	..	..	..	34	89	123	18	6	...	..
"	Twelfth	..	..	..	53	88	141	17	4	...	..
"	Eleventh	..	..	..	72	133	205	16	5	...	..
"	Tenth	..	..	..	125	138	263	15	4	...	..
	Total	10	18		287	455	742				
Grammar	Ninth	7	11	..	196	205	401	14	11	367	4
"	Eighth	..	11	..	198	254	452	14	2	389	12
"	Seventh	..	14	..	301	310	611	13	4	434	11
"	Sixth	1	15	1	378	371	749	12	4	572	4
"	Fifth	..	16	1	414	407	821	11	5	604	19
"	Fourth	..	18	..	445	421	866	10	4	607	7
	Total Grammar	8	85	2	1,932	1,968	3,900			2,973	57
Primary	Third	..	26	2	476	449	925	9	2	727	12
"	Second	..	23	..	551	492	1,043	7	9	773	4
"	First	..	20	6	774	672	1,446	6	5	944	7
	Kindergarten	..	2	2	65	70	135	4	6	44	..
	Total Primary		71	10	1,866	1,683	3,549			2,488	23
	Total Grammar and Primary	8	156	12	3,798	3,651	7,449			5,461	80
	Grand Total	18	174	12	4,085	4,106	8,191				

TABLE 14.—NUMBER OF PUPILS AND PER CENT OF WHOLE NUMBER OF PUPILS IN EACH GRADE IN DECEMBER, 1895.

GRADE.	PUPILS.	PER CENT.
Primary.	1 1,446	17.9
	2 1,071	13.2
	3 925	11.4
Grammar.	4 866	10.7
	5 821	10.2
	6 749	9.3
	7 611	7.6
	8 452	5.6
	9 401	5.0
	10 263	3.3
High.	11 205	2.5
	12 141	1.7
	13 133	1.6
Total, 8,084		

TABLE 15.—ADMISSIONS TO FIRST GRADE IN APRIL AND SEPTEMBER, 1895.

SCHOOL.	April.	Sept.	On Half Time.	SCHOOL.	April.	Sept.	On Half Time.
Bell . . .	25	54	. .	Burns . . .	13	28	28
Edgerly . .	27	40	42	Cummings .	9	27	. .
Forster . .	26	43	. .	Davis . . .	13	27	22
Highland . .	20	43	28	Durell . . .	14	25	19
Knapp . . .	32	73	. .	Franklin . .	. .	. .	. .
Morse . . .	15	41	29	Lincoln . .	18	29	. .
Pope . . .	18	58	. .	Bennett . .	29	35	. .
Prescott . .	26	32	28	Jackson . .	10	34	. .
Bingham . .	35	28	. .	Beech Street	14	27	34
Glines . . .	21	35	. .	Cedar Street	2	12	. .
Prospect Hill .	. .	. .	. .	Harvard . .	17	19	. .
				Total . . .	384	710	230

Average age of April children, 5 years, 8 months.

Average age of September children, 5 years, 10 months.

Of all admitted during 1895, 5 years, 9.3 months.

TABLE 16. — TRUANT STATISTICS.

	1894.	1895.
Number of visits to schools	795	615
Absences investigated	490	499
Cases of truancy	88	98
Truants arrested	8	9
Sent to House of Reformation	6	8

Increase in cases of truancy 11 per cent as compared with 1894.

TABLE 17. — GRAMMAR SCHOOL GRADUATES, 1895.

SCHOOL.	Number receiving Diplomas.	Number Certificated for High School.	Number that entered the Latin School.	Number that entered the English School.	Total.
Prescott	36	33	7	19	26
Edgerly	42	36	7	24	31
Pope	36	30	10	12	22
Knapp	34	30	3	16	19
Bell	32	32	8	13	21
Forster	58	53	10	33	43
Morse	63	42	7	27	34
Highland	73	71	12	47	59
Total	374	327	64	191	255

TABLE 18.—ATTENDANCE IN EVENING SCHOOLS, 1895.

	BELL.			PRESCOTT.			HIGHLAND.			Total.
	October.	November.	December.	October.	November.	December.	October.	November.	December.	
Enrolled	95	115	121	69	73	75	73	77		273
Average Membership	60	56	47	55	53	42	50	30		144
Average Attendance	45	41	31	47	41	33	35	19		106
Per cent Attendance	75.5	73.2	66.0	85.5	77.3	78.6	70.0	63.3		73.6
Number of Teachers	6.4	4.1	4	4.3	3.3	3	3.6	2.5	Closed.	11.3

Cost of Evening Schools	\$964.38
Cost per Pupil	\$9.10
Number of Sessions	45

EVENING DRAWING SCHOOL, SEASON OF 1894-'95.

	INDUSTRIAL.	FREE-HAND.	Total.
Enrolled	123	127	250
Average Membership	80	57	137
Average Attendance	67	41	108
Per cent Attendance	83.8	71.9	78.8
Number of Teachers	5	3	8

Cost of Instruction, etc.	\$1,486.50
Cost of Supplies	422.64
Total Cost	\$1,909.14
Cost per Capita	\$17.67
Cost per Evening	\$42.43
Number of Sessions	45

TABLE 19.—GRAMMAR SCHOOL GRADUATES
FOR A SERIES OF YEARS.

	Prescott.	Bell.	Forster.	Morse.	Highland.	Edgerly.	Pope.	Knapp.	Total.	Average Membership of Grammar and Primary Schools.	Per cent of Aver- age Membership Graduating.	Entered High School.	Per cent entering of those Graduating.
1885	51	73	28	30	29				211	4,531	4.65	155	73.46
1886	60	66	26	23	22				197	4,584	4.29	133	67.51
1887	52	67	28	37	37				221	4,635	4.76	146	66.06
1888	54	64	34	41	50				243	4,849	5.01	156	64.19
1889	59	91	48	42	41				281	5,109	5.50	169	60.14
1890	54	106	45	56	57				318	5,568	5.71	184	57.86
1891	44	73	41	55	44	39			296	6,062	4.88	199	61.62
1892	41	36	75	49	45	49	36	39	370	6,035	6.13	228	61.23
1893	40	60	48	63	67	46	36	38	398	6,525	6.09	240	60.30
1894	39	29	79	66	68	41	35	32	389	6,674	5.82	253	65.04
1895	36	32	58	63	73	42	36	34	374	6,955	5.37	255	68.18
	530	697	510	525	533	217	143	143	3,298	61,527	5.36	2,118	64.22

TABLE 20.—ATTENDANCE STATISTICS
FOR A SERIES OF YEARS.

DECEMBER.	ENROLLMENT.	Average Membership.	Average Attendance.	Per cent of Attendance.	Number of Tardinesses.	Ratio of Tardiness to Average Attendance.
1885	6,276	4,904	4,627	94.4	2,480	0.536
1886	6,350	4,985	4,678	93.8	2,834	0.606
1887	6,605	5,198	4,879	93.8	2,699	0.553
1888	7,262	5,488	5,174	94.0	2,938	0.549
1889	7,757	5,956	5,585	93.8	2,780	0.498
1890	7,878	6,485	6,075	93.6	3,133	0.516
1891	8,510	6,502	6,091	93.7	3,182	0.522
1892	9,120	7,035	6,608	93.9	3,181	0.481
1893	9,632	7,217	6,790	94.1	3,375	0.497
1894	9,387	7,212	6,840	94.8	3,000	0.419
1895	9,913	7,617	7,255	95.2	2,736	0.377

TABLE 21.—MEMBERSHIP, ETC., OF HIGH SCHOOL

FOR A SERIES OF YEARS.

YEAR.	Average Membership All Schools.	Largest Number in High School.	Per cent of Average Membership of all Schools.	Number of Graduates of High School.	Per cent of Average Membership of all Schools.
1867	2,157	119	5.51	7	0.32
1868	2,285	141	6.17	17	0.75
1869	2,480	158	6.37	25	1.01
1870	2,639	165	6.25	16	0.65
1871	2,549	161	6.31	33	1.29
1872	2,799	186	6.64	21	0.75
1873	3,217	190	5.91	28	0.87
1874	3,265	198	6.06	26	0.79
1875	3,515	213	6.06	31	0.88
1876	3,712	226	6.09	33	0.81
1877	3,788	227	5.91	37	0.98
1878	3,992	250	6.26	31	0.78
1879	4,169	246	5.90	34	0.82
1880	4,278	254	5.93	27	0.63
1881	4,064	256	6.29	34	0.84
1882	4,263	280	6.57	33	0.77
1883	4,438	278	6.26	43	0.97
1884	4,804	315	6.55	46	0.96
1885	4,904	385	7.85	46	0.94
1886	4,985	374	6.70	56	1.12
1887	5,198	387	7.44	53	1.02
1888	5,488	435	7.92	60	1.09
1889	5,956	444	7.45	67	1.12
1890	6,485	487	7.51	60	0.93
1891	6,502	535	8.23	68	1.05
1892	7,035	577	8.20	80	1.14
1893	7,217	626	8.67	82	1.14
1894	7,274	691	9.50	111	1.52
1895	7,617	775	10.17	92	1.21

TABLE 22.—RESIGNATIONS OF TEACHERS, 1895.

SCHOOL.	Teacher.	Time of Resignation.	In Service.
Latin High . . .	Grace A. Tuttle.	April 29.	2 yrs., 2 mos.
“ “ . . .	Helen H. Wadsworth.	May 27.	2 yrs., 4 mos.
“ “ . . .	Florence K. Bailey.	May 27.	1 yr.
“ “ . . .	Nellie S. Bakeman.	Oct. 28.	2 yrs., 3 mos.
Bell . . .	Anna L. Alger.	May 27.	4 yrs.
“ . . .	Vyra L. Tozier.	Dec. 14.	4 yrs.
Edgerly . . .	Helen P. Bennett.	Sept. 2.	5 yrs.
Forster . . .	Ella F. Gould.	Feb. 25.	13 yrs.
“ . . .	Luetta M. Wescott.	March 25.	3 yrs.
“ . . .	Addie S. Winnek.	June 24.	12 yrs.
Morse . . .	Annabel M. Perry.	May 27.	3 yrs.
Pope . . .	Jeannette M. Billings.	May 27.	2 yrs., 9 mos.
“ . . .	Maizie E. Blaikie.	May 27.	4 yrs.
“ . . .	Charlotte S. Buck.	May 27.	1 yr.
Bingham . . .	Ruby A. Johnson.	March 25.	3 yrs.
Glines . . .	Emma Burckes.	April 29.	5 yrs.
Lincoln . . .	Grace Emerson.	Feb. 25.	2 yrs., 5 mos.
Beech Street . . .	Florence B. Ashley.	Aug. 26.	8 yrs.
Supervisor of } Drawing } .	Augusta L. Balch.	June 24.	2 yrs., 5 mos.
Teacher of } Sewing } .	Mrs. C. M. Coffin.	May 27.	7 yrs.

TABLE 23.—TEACHERS ELECTED IN 1895.

SCHOOL.	Teacher.	Date.	Salary.
English High	Charles T. C. Whitcomb.	April 29.	\$2,400
" "	Frank H. Beede.	June 10.	1,800
" "	John A. Avery.	June 10.	1,000
" "	Merle S. Getchell.	June 10.	1,100
" "	Robert B. Smith.	June 10.	1,000
" "	A. Marion Merrill.	June 10.	1,000
" "	A. Laura Batt.	June 10.	800
" "	Mary P. Hitchcock.	June 10.	800
" "	Lucy B. Ingram.	June 10.	800
" "	M. Helen Teele.	June 10.	800
" "	Everett W. Tuttle.	June 10.	1,400
" "	Lyman C. Newell.	June 24.	1,200
" "	M. Jessamine Dixon.	June 24.	1,050
" "	Alice F. Davenport.	June 24.	800
" "	Maria B. Smith.	June 24.	950
" "	Mary P. Anderson.	August 26.	800
" "	Eda L. Nichols.	August 26.	800
Bell	Mabel L. Fall.	June 10.	600
" "	Maribelle Curtis.	July 22.	600
" "	Alice L. Davis.	August 26.	600
Edgerly	Maria L. True.	September 2.	600
Forster	Minnie A. Worden.	April 29.	600
Highland	Katherine E. Hourahan.	May 27.	500
Knapp	Ida B. Mason.	November 25.	600
Morse	Charlotte Duguid.	April 29.	600
" "	Alice M. Emerson.	April 29.	500
" "	Emily J. Gifford.	May 27.	600
Pope	Minnie G. Partridge.	May 27.	600
" "	Jean C. Terry.	May 27.	600
" "	Clara M. Wheeler.	May 27.	600
" "	Blanche G. North.	June 10.	400
Bingham	Mary E. Jordan.	April 29.	600
" "	Flora B. Rice.	April 29.	600
Glines	Laura M. Lamont.	June 24.	600
Burns	Mary S. Lawrence.	December 30.	600
Lincoln	Elizabeth Hodgdon.	April 29.	700
Jackson	Caroline G. Baker.	April 29.	500
Beech Street	Elizabeth S. Foster.	August 26.	600
Prospect Hill	Mabel L. Bement.	December 30.	400
Supervisor of	Mary L. Patrick.	August 26.	900
Drawing.			
Teacher of	Sarah I. Stanton.	June 10.	600
Sewing.			

TABLE 24.—TRANSFERS OF TEACHERS AS TO SCHOOLS.

TEACHER.	From	To
Esther Bailey	Latin High.	English High.
Carrie A. Marsh	Latin High.	English High.
Annie E. Crimmings	Jackson.	Bennett.
Adelaide F. Eaton	Morse.	Forster.
Maude L. Kent	Bingham.	Forster.
Isadore E. Taylor	Bennett.	Jackson.
Ursula M. Willard	Forster.	Glines.

TABLE 25.—LEAVE OF ABSENCE OF TEACHERS.

January 28. Minnie S. Turner, for six months.
May 27. Carrie E. Cobb, for one year.
June 10. Harriet A. Brown, for one year.
July 22. Vyra L. Tozier, for one year.
August 26. May E. Berry, for one year.

TABLE 26.—TIME LOST BY TEACHERS IN 1895.

SCHOOL.	No. of Teachers.	Days Lost.	Days per Teacher.	SCHOOL.	No. of Teachers.	Days Lost.	Days per Teacher.
High	20.5	67	3.3	Cummings	4	8½	2.1
Bell	13.2	115½	8.8	Davis	4	5	1.3
Edgerly	13	39½	3.3	Durell	4	9½	2.4
Forster	13	89½	6.9	Franklin	4	12½	3.1
Highland	13.4	54	4.2	Lincoln	4	18	4.5
Knapp	13.3	78½	5.9	Bennett	4	7½	1.9
Morse	13	48	3.7	Jackson	4	12½	3.1
Pope	13	50	3.8	Beech Street	2	6	3
Prescott	13.3	69½	5.2	Cedar Street	2	6	3
Bingham	8	52	6.5	Prospect Hill	3.4	6	1.8
Glines	9	16	1.8	Harvard	1	0	0
Burns	4.4	4½	1	Special	5.5	6	1.1
				Total	189	781.5	4.1

Per cent of Attendance of Teachers, 97.8.

TABLE 27.—NUMBER OF TEACHERS FOR A SERIES OF YEARS.

YEAR.	High School.	Grammar School.	Primary School.	Special Teachers.	Assistants not in charge of room.	Men.	Women.	Total.
1885	9	63	48	1	0	10	111	121
1886	9	62	48	1	0	9	111	120
1887	10	64	48	1	0	9	114	123
1888	10	66	52	4	7	9	130	139
1889	10	60	56	4	7	10	127	137
1890	10	78	58	5	7	12	146	158
1891	12	86	63	5	13	12	167	179
1892	13	90	67	5	10	12	173	185
1893	14	88	63	5	19	12	177	189
1894	15	91	66	6	11	12	177	189
1895	28	91	73	5	12	19	186	209

TABLE 28.—CHANGES OR ADOPTIONS OF TEXT-BOOKS.

GRADES 6, 7, AND 8.—Frye's Complete and Potter's advanced Geography in place of Harper's Geographies.

GRADES 8 AND 9.—Tilden's Grammar School Geography.

GRADES 8 AND 9.—Montgomery's Leading Facts of American History in place of Barnes's.

GRADES 8 AND 9.—Sheldon Barnes's American History.

GRADE 9.—Jameson's Dictionary of American History. Desk book.

GRADE 3.—Long's Home Geography.

HIGH.—Wells's Algebra and Wells's Geometry.

GRADE 9.—Gifford's Elementary Lessons in Physics. Desk book.

TABLE 29.—GRADUATION EXERCISES OF CLASSES OF 1895.

HIGH SCHOOL.

The forty-third annual exhibition of the High School occurred on Tuesday, June 25, at the First M. E. Church, in the presence of a large and interested audience.

After the completion of the programme, His Honor, Mayor William H. Hodgkins, presented diplomas to the ninety-two members of the graduating class.

ORDER OF EXERCISES.

PRAYER. REV. I. H. PACKARD.

SINGING.—*Solo and Chorus: Tramp Chorus. *Bishop*
 LOUISA J. PRICE.

1. SALUTATORY IN LATIN. JOHN J. MCADAMS

2. READING. SONG OF THE MARKET-PLACE. *Buckham*
 GRACE G. GREENE.

3. DIE WAHRSAGERIN Written by *Lena N. Crane*
 DOROTHEA M. BENSON. MARY M. MCGANN.
 ADA A. COLE. M. AGNES MOORE.
 LENA N. CRANE. ALICE M. QUIRIN.
 MARY A. LEAVITT. BLANCHE M. SOUTHER.
 RUBY C. CUTTER (with song).

4. READING. From "EVERGREENS." *Jerome*
 WILLIAM F. EATON.

SINGING.—Song: The Holy City. *Adams*
 ALICE C. DANIELS.

5. ESSAY. THE POETRY OF THE STEEPLES. LOUISE R. HEMENWAY

6. READING. THE COW AND THE BISHOP.
 IDA M. SYLVESTER.

7. "PYRAMUS AND THISBE." (Original Version in Greek.)
 WALTER C. HARRIS. CLARA L. CAME.
 WALTER C. HENDERSON. PHILINDA P. RAND.
 L. ARTHUR WOODWARD. LOUISE M. STURTEVANT.

SINGING.—A Fantastic Ballad for Chorus and Orchestra:
 Jabberwocky. *H. K. Hadley*
 Introduction by FLORENCE A. HOLMES.

MUSIC.—Concert Mazurka from "Suite." *H. K. Hadley*

* Singing accompanied by Hadley's Orchestra.

RECESS.

SINGING.—Unison Solos: *a*, The Old Melodeon. *Wilder*
b, The Postilion. (Male Voices.) *Malloy*

8. ESSAY. THE COMING WOMAN. MARGARET A. PURCELL

9. LE NOUVEAU SOUS-PREFET.

GEORGE F. ASHLEY.	LUCY B. FITCH.
M. CLINTON BACON, Jr.	ALICE L. FORBES.
ARTHUR I. KENDALL.	MABELLE K. FURLONG.
EDWARD F. SAUNDERS.	MARY A. LAMONT.
HORACE W. SOULE.	ABBIE D. SOUTHWORTH.
F. LEWIS WILKINS.	

10. CLASS POEM. THE APPLE OF DISCORD. EMILY J. BRAY

SINGING.—Duet: The Starry Heaven. *Pinsuti*

ADAH G. ALDRICH. BESSIE D. DAVIS.
 Four-Part Song: A Red, Red Rose. *H. K. Hadley*

11. READING. COURT SCENE FROM "THE MERCHANT OF VENICE."
 ETHEL C. FRENCH.

12. PROPHECIES. FLORENCE S. HARTSHORN

13. VALEDICTORY. EMMA C. DAGGETT

PRESENTATION OF DIPLOMAS.

By His Honor, Mayor WILLIAM H. HODGKINS.

14. PARTING HYMN. Words by EMILY J. BRAY
 Music by EMMA P. SANDS

MEMBERS OF THE GRADUATING CLASS.

REGULAR AND ENGLISH COURSES.

Adah George Aldrich.	Emma Maria Rich.
Dora Parker Bearse.	*Emma Pauline Sands.
Alice Graham Birmingham.	Harriet Agnes Sewall.
Winnifred Palmer Briggs.	Abbie Dorman Southworth.
May Rebecca Caldwell.	Ida Mae Sylvester.
Maud Frances Molyneux Clark.	Alice Foster West.
Ada Augusta Cole.	Nettie Louise Whipple.
Harriet Ransom Currier.	George Francis Ashley.
Ruby Clementina Cutter.	Moses Clinton Bacon, Jr.
Alice Celeste Daniels.	Fred Ellsworth Brown.
Nellie Eaton Eames.	Harry Weare Brown.
Lucy Beatrice Fitch.	Alfred Morton Cutler.
Alice Lena Forbes.	Charles Edward Daly.
Margaret MacKay Fraser.	George Henry Dustin.
Ethel Caddie French.	Herbert Francis Dwyer.
Evelyn Hortense Furbush.	John Matthew Fitzpatrick.
Mabelle Kimball Furlong.	William Henry Flaherty.
Camilla Ethel Gilpatrick.	Fred Elmer Giles.
Eliza Giles Gray.	William Bowen Gohring.
Florence Saunders Hartshorn.	Joseph Francis Golden.
Mary Abby Haskell.	Arthur Isaac Kendall.
Florence Adelaide Holmes.	Harold Haskins Martin.
Carolyn Frances Lapham.	Charles Densmore Richards.
Alice Sophronia Mayhew.	George Hayes Riker.
Mary Margaret McGann.	Edward Frederick Saunders.
Amy Elizabeth Meserve.	Charles Edward Smith.
Edna May Millner.	Horace Webster Soule.
*Louisa Joanne Price.	Herbert Augustus White.
Alice May Quirin.	Frederick Lewis Wilkins.

*Diploma not received on account of the omission of a part of the course of study

COURSE PREPARATORY TO COLLEGE.

Edward Davenport.	Emma Caroline Daggett.
William Francis Eaton.	Bessie Delight Davis.
John Frederick Farrell.	Helen Howard Davis.
Fred Warren Harris.	Grace Geneva Green.
Walter Capen Harris.	Mabel Martha Ham.
Walter Cleaveland Henderson.	Louise Rowe Hemenway.
Carl Guy Herbert.	Isabella Gertrude Knight.
John Joseph McAdams.	Mary Alexandra Lamont.
William Allanson Ruston.	Mary Augusta Leavitt.
Charles Clifton Stroup.	Angela Magdalene Medros.
Lawrence Arthur Woodward.	Mary Agnes Moore.
Dorothea May Benson.	Arvilla Florence Nichols.
Emily Jenks Bray.	Margaret Anna Purcell.
Maud Eva Burroughs.	Philinda Parsons Rand.
Clara Louise Came.	Blanche May Souther.
Florence Ella Cate.	Louise Martha Sturtevant.
Gertrude Miriam Cook.	Catherine Elizabeth Sweeney.
Lena Noble Crane.	Mabel Webber.

TABLE 30.—GRAMMAR SCHOOL GRADUATES.

The graduation exercises of the Grammar schools were held at the first M. E. Church, Union square, on Thursday evening, June 27. Three hundred and seventy-four graduates received diplomas at the hands of His Honor, Mayor Hodgkins.

The following is the

PROGRAMME.

PART FIRST.

1. OVERTURE. "ORPHEUS." *Offenbach*
HADLEY'S ORCHESTRA.
2. *SINGING. "HOLY LORD GOD OF SABAOOTH." *Gounod*
(WITH ORCHESTRA AND ORGAN.)
3. PRAYER.
REV. R. L. GREENE, D. D.
4. SINGING. "SWEDISH PEASANTS' WEDDING MARCH." *Soderman*
5. ADDRESS.
REV. NEHEMIAH BOYNTON, D. D.

PART SECOND.

6. SINGING. "SONG OF THE VIKINGS." *Fanning*
7. ADDRESS TO GRADUATES AND PRESENTATION
OF DIPLOMAS.
Mayor WILLIAM H. HODGKINS.
8. SINGING. VOCAL WALTZ. "Fairyland." *Veazie.*

*Singing accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.

PRESCOTT SCHOOL.

GRADUATES.

Ernest H. Baldwin.	Charles A. Keach.
Alvin C. Benson.	Minnie G. Kimpton.
Grace N. Blood.	Elizabeth Lester.
Robert A. Bruce.	Merrill S. Lovering.
Marion H. Chase.	Ernest C. Martin.
Mae R. Clarry.	Charles S. Morrill.
Albert F. Colby.	Walter C. Nickerson.
Lucy A. Collier.	Louise A. Pitman.
Gertrude A. Coner.	Edith W. Poole.
Marion G. Dennett.	Arthur W. Russell.
William M. Elliott.	Louise C. Spindler.
Curtis S. Fairbanks.	Ethel M. Tarbox.
Ethel C. Fairbanks.	Harold K. Thomas.
Florence B. Handy.	Linnie E. Towle.
Myrtie B. Haskell.	Flora N. Webber.
Isabell S. Henderson.	Howard E. Wemyss.
Marion G. Hitchings.	Luella P. Winship.
Charlotte F. Huntley.	Minnie C. Winward.

LUTHER V. BELL SCHOOL.

GRADUATES.

Samuel Ellsworth Armstrong.	Sadie May Lombard.
Gertrude Louise Bailey.	E. Laffay A. McCloskey.
Frank J. Barnard.	Henry Murphy.
Mary Frances Brodil.	Amelia Martina Norris.
Maude Ella Butters.	Ella J. O'Malley.
Louise Carr.	George Joseph Pratt.
Blanche May Carter.	Margaret Hope Reid.
M. Florence Cassidy.	Ralph Robinson.
Louis Thomas Connelly.	Granville Parker Rogers.
Elizabeth E. Dearborn.	Gordon S. Smart.
Loron Darling Frazier, Jr.	Bessie C. Stockman.
Arthur Francis Gooding.	Stanley Hovey Tead.
Leo Sprague Greenwood.	Grace Edna Towne.
Herbert Campbell Haines.	Carleton Grieves White.
Emma Dalison Hunt.	Phillip Bethel Wright.
Jennie May Landers.	Isabel Laverty.

EDGERLY SCHOOL.

GRADUATES.

Guy R. Anderson.	Anna G. Keefe.
Lizzie E. Baker.	Jennie M. Lindquist.
Florence E. Barrett.	Harry W. Litchfield.
Henry T. Bates.	Jennie G. Mason.
Edith E. Boynton.	John W. McCaffrey.
Martha E. Bryant.	Emma G. Medros.
Edna L. Clough.	Gertrude E. Murdoch.
Francis J. Coleman.	Ernest L. Nichols.
John Coleman.	Harry B. Potter.
Elmer B. Cutler.	H. Florence Ralph.
Charles F. Dellea.	Guy C. Riddell.
Ellen A. Dellea.	Elizabeth A. Riley.
Ellen M. Downey.	Frank G. Sargent.
Dean G. Edwards.	W. Emery Taylor.
Annie M. Fleming.	A. Josephine Taylor.
Ida M. Gannon.	Clarence W. Thomas.
Vivian M. Gilchrest.	Henry C. Thomas.
Otis A. Handy.	Hattie M. Wellington.
Walter P. Harris.	M. Ida Wentworth.
Annie R. Hopkins.	Lillie M. Whiton.
Agnes E. Keefe.	Elizabeth A. S. Wright.

OREN S. KNAPP SCHOOL.

GRADUATES.

Emma May Ayer.	Frank Joseph Maguire.
Laura Ellen Bernard.	Margaret Jane May.
Blanche Gertrude Bowtelle.	Fred W. Moore.
Grace Eleanor Boynton.	Edna G. Morrison.
Georgietta Brum.	Christopher Muldoon.
Alice Mae Cavanagh.	Almira Elizabeth Nason.
Henry Robert Davis.	Sadie Mabel Newell.
Daniel Frederick Devine.	Lillian Ethel Noyes.
Michael John Donovan.	Lilla Maria Sargent.
Florance Louise Stone Enslow.	Jessie Mildred Silsbee.
Charles Oliver Gragg.	William Joseph Smith.
Clara Louise Greenleaf.	Margaret Bertha Sprague.
Ethel Marion Guild.	George Tincker.
Frank Hafford.	Fleurette Evon Marie Turcotte.
Walter Herbert Hart.	Christine May Wellman.
Adeline McMillan McIntyre.	Harold F. Wellman.
Edwin Joseph Maguire.	Mary Lavinia White.

FORSTER SCHOOL.

GRADUATES.

Louise L. Angevine.
Sadie A. Barnes.
Elizabeth W. Carter.
George E. Chase.
Warren A. Clement.
Grace E. Clough.
Henry A. Clough, Jr.
Joseph H. Dion.
Agnes M. Dods.
Francis A. Dods.
William J. Dods.
Mary E. Driscoll.
John J. Ducey.
Bessie L. Duddy.
Ada M. Durell.
Lizzie B. Everett.
Bernard F. Fardy.
Flora A. Farnam.
Ella G. Flynn.
Mary C. Foley.
Marguerite Foote.
Blanche G. Foster.
Mabel E. Hall.
Florence G. Hardy.
Torr W. Harmer.
Helen I. Harrington.
Minnie E. Harrington.
J. Roy Harris.
Mabel M. Hartshorn.

Alice M. Hughes.
William P. Ingham.
Ralph P. Keyes.
Katie R. Kilmartin.
Fred M. Kilmer, Jr.
Mary A. Kilmer.
Charles P. Learned.
Charlotte R. Lowell.
Minnie I. McKenna.
William D. McLeod.
Ethel A. Moore.
Mary E. Moran.
Lura A. Powers.
J. Hilda Quarrie.
Henry Richardson, Jr.
Eugene J. Roussin.
Roland E. Sheffield.
Bertha A. Simmons.
Nellie A. Spike.
Harold W. Stimpson.
Rudolph Stolar.
Theodore H. Tomfohrde.
Elsie Tufts.
Elizabeth W. Waldron.
Edward L. Watson.
Bertha A. Whipple.
Lottie E. Williams.
Frank E. Wilson.
J. William York.

MORSE SCHOOL.

GRADUATES.

Minnie Rose Barnes.
Anna Louise Beckwith.
Harry L. Bradbury.
Francis J. Brine.
Emma Maude Brown.
Herbert Caleb Bucknam.
Marguerita Lewis Clarke.
Martin J. Colbert.
William Henry Dempsey.
Fenner B. Dickinson.
Alvah Webster Dodge.
David P. Doherty.
Mildred Arlaud Dolliver.
Carrie Belle Douglass.
Abbie Florence Drake.
Eleanor Josephine Egan.
Emma Eklof.
Jennie Benetta Fleming.
H. Frasier Flemming.
Albert Goodall Foss.
Christina Fyfe.
Mabel Greenwood.
Albert Warner Hale.
Dennis Joseph Hallissy.
Robert B. Harrington.
George L. Harrington.
Arthur Browne Harlow.
Gunnar Haug.
Edward Hayden.
Fred W. Hayes.
Mary M. Healey.
Winefred Rose Hemming.

Herbert Elmer Hopkins.
Clennie M. Inglis.
Ernest D. Jacobs.
Josephine M. Kiley.
Jessie F. LeBosquet.
William D. Macrae.
Rosella McFarland.
Nellie Ruth McGrath.
Isabel G. McKenzie.
William E. McNamara.
Henry Eckert Mead.
Beatrice Lillian Morang.
Eda Josephine Moulton.
William A. O'Brien.
Thomas C. Osborn.
Abner Peterson.
Elta Arnold Randall.
John Henry Rewan.
Timothy John Roche.
Frank W. Rymes.
Ellen L. Sliney.
Kate Sliney.
Ivah Clement Smith.
Stephen Everett Smith.
I. Frank Story.
Maude Idella Sykes.
Helen E. Turner.
Ethel Twycross.
John M. P. Wescott.
Ernest Weston Young.
Stephanie J. Zoellur.

HIGHLAND SCHOOL.

GRADUATES.

Lillian C. Adams.
E. LeRoy Allen.
Emily B. Anderson.
Harold W. Ayres.
Edith F. Baker.
Gertrude F. Ball.
Bessie F. Beekman.
Elbert C. Benson.
Florence M. Boak.
Jennie E. Brown.
Nellie E. Brown.
Martin H. Cassidy.
Mabel E. Church.
Clarence W. Cleveland.
W. Howard Cleveland.
Harry M. Connelly.
Jay T. Cook.
Emogene Cudworth.
Francis S. Cummings.
Albert M. Davis.
Cora A. Dodge.
Edith L. Dodge.
Sadie G. Dowling.
Lillian M. Dudley.
Arthur E. Ellis.
William P. Foster.
Nettie L. French.
Oscar R. Fuller.
George H. Garcelon.
Lillian L. Gillette.
Alice M. Gilman.
Ethel H. Glazier.
Lottie E. Gordon.
A. Gertrude Hartwell.
Josephine E. Haskell.
Blanche C. Hazeltine.
Lillian V. Hollis.

William H. Hollis.
Alice M. James.
Annie M. James.
Charles G. Jaycock.
Chester E. Jones.
Mark R. Jouett.
Mary W. Kingsley.
Thomas S. Knight.
James W. Lacy.
Joseph M. LeCain.
Lena L. Lewis.
Edith M. Lounsbury.
Sarah J. Lowe.
Mark C. Lynam.
Edward A. Mahoney.
Nellie A. McCarthy.
Eugene A. Mead.
Henry E. Merrill.
William R. Otis.
Arthur L. Philbrick.
Roscoe H. Philbrick.
Aimee F. Phillips.
Carleton C. Pipe.
Charles R. Pipe.
Everett A. Reed.
N. Leslie Sanborn.
Charles A. Shaw.
Russell H. Spaulding.
Alton L. Stevens.
Alice I. Teele.
Grace L. Tuttle.
Edith M. Walton.
Lena A. Waters.
Ralph L. Whitcomb.
George H. Wilson.
William F. Wilson.

CHARLES G. POPE SCHOOL.

GRADUATES.

Mary Adam.	Edith Olga Macdonald.
Elsie Gertrude Ashton.	Rhoda McKenzie.
Ellen L. Bean.	Elsie V. McQuarrie.
Ruphena M. Benner.	Alice R. Mills.
Arthur Warren Byam.	Mary D. Morrison.
Christopher J. Cavanagh.	Mary Murphy.
Charles M. Davis.	Ellen A. O'Connell.
George Chadbourne Ellis.	Robert Curtis Odiorne.
Florence M. Farrell.	Bertha May Packard.
John Thomas Flynn.	Jennie M. Patten.
Edmund J. Harvey.	Myra L. Roffe.
Aurella B. Hatchard.	Harry J. Sanborn.
Thomas Gilbert Hetherington.	Catherine Scannell.
Arthur V. Howland.	Elva Inez Shattuck.
Catherine T. Kelly.	Robert J. Sherry.
Edward A. Knowles.	Grace H. Thomas.
Clarence E. Lambert.	Charles S. Wigginn.
Herbert P. Leavitt.	Fred W. Wilson.

TABLE 31.—TEACHERS IN SERVICE DECEMBER, 1895.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
	LATIN HIGH SCHOOL.			
	<i>George L. Baxter</i> , Principal,	27 Warren ave.	\$2,400	1867
	Frank M. Hawes, Sub-Master,	257 School st.	2,000	1879
	Charles T. Murray, Jr. Sub-Master,	46 Pearl st.	1,600	1887
	Sarah W. Fox,	99 Irving st., Cambridge.	1,200	1868
	Frances W. Kaan,	12 Pleasant ave.	1,000	1882
	Eudora Morey,	71 Hancock st., Boston.	850	1882
	M. Isabel Goldthwaite,	217 School st.	800	1893
	Mrs. Lena Gilbert,	6 Sunnyside ter., Medford.	800	1893
	Florence H. Paul,	120 Summer st.	800	1894
	ENGLISH HIGH SCHOOL.			
	<i>Charles T. C. Whitcomb</i> , Principal,	12 Highland ave.	\$2,400	1895
	Frank H. Beede, Sub-Master,	16 Adams st.	1,800	1895
	John A. Avery,	22 Dartmouth st.	1,000	1895
	Merle S. Getchell,	22 Dartmouth st.	1,100	1895
	Lyman C. Newell,	61 Beech st.	1,200	1895
	Robert B. Smith,	13 Sawyer ave.	1,000	1895
	Everett W. Tuttle, Sup. M'n'l Train'g,	61 Beech st.	1,400	1895
	A. Marion Merrill,	Hotel Woodbridge.	1,000	1895
	Mary P. Anderson,	30 Putnam st.	800	1895
	Esther Bailey,	498 Mass. ave., Arlington.	800	1894
	A. Laura Batt,	137 Highland ave.	800	1895
	Alice F. Davenport,	56 Grove st., Watertown.	800	1895
	M. Jessamine Dixon,	54 Putnam st.	1,050	1895
	Mary P. Hitchcock,	39 Cedar st.	800	1895
	Lucy Ingram,	10 Putnam st.	800	1895
	Carrie A. Marsh,	10 Putnam st.	800	1894
	Eda L. Nichols,	156 Sycamore st.	800	1895
	Maria B. Smith,	54 Putnam st.	950	1895
	M. Helen Teele,	17 Central st., Arlington.	800	1895
	PRESCOTT.			
9	<i>Samuel A. Johnson</i> , Principal,	21 Flint st.	\$1,800	1893
9	Anna M. Bates,	102 Bridge st., Salem.	700	1874
8	Adelaide Reed,	10 Pearl st.	650	1877
7	Emma M. Cate,	5 Fletcher st., Winchester.	600	1882
7	Abbie A. Anderson,	1 Pearl st.	600	1878
6	Amelia I. Sears,	20 Pinckney st.	600	1873
6	Grace L. Shaw,	50 Tufts st.	600	1892
5	Catherine T. Brown,	61 Myrtle st.	600	1868
4	Clara Taylor,	30 Florence st.	600	1871
3	Sarah E. Pratt,	10 Pearl st.	600	1877
2	Elgina M. Plummer,	17 Cliff st., Melrose.	600	1877
2	Louise E. Pratt,	49 Myrtle st.	600	1889
1	Sarah W. Turner,	49 Myrtle st.	600	1893

TABLE 31.—TEACHERS IN SERVICE DECEMBER, 1895.— *Continued.*

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
EDGERLY.				
9	<i>Charles E. Brainard</i> , Principal,	91 Perkins st.	\$1,800	1889
9	Clara B. Cutler,	Main st., Bedford.	675	1892
8	Annie L. Dimpsey,	52½ Florence st.	600	1891
7	Mary E. Richardson,	77 Addison st., Chelsea.	600	1893
7	Gertrude L. Gardner,	33 Gilman st.	600	1889
6	Mabel C. Mansfield,	77 Addison st., Chelsea.	600	1893
5	Carrie Alma Colton,	68 Warrenton st., Boston.	600	1893
4	Maria A. True,	116 Pearl st.	600	1895
3	Gertrude C. Mason,	75 Park st., Andover.	600	1893
3	Alice M. Dearing,	50 Flint st.	600	1890
2	Lillian Nealley,	109 Glen st.	600	1882
1	Clara M. Bagley,	61 Florence st.	600	1873
1	Martha M. Power,	47 Marshall st.	600	1891
DAVIS.				
4	<i>Mrs. Lucretia A. Burns</i> , Principal,	176 Broadway.	\$675	1882
3	Lucia E. Estey,	515 Massachusetts ave., Boston.	600	1895
2	Carrie T. Lincoln,	41 B Franklin st.	600	1893
1	P. A. Merritt,	96 Oxford st.	600	1885
BELL.				
9	<i>Frederick W. Shattuck</i> , Principal,	79 Boston st.	\$1,800	1890
9	Alice L. Davis,	13 Pleasant ave.	675	1895
8	Emma L. Schuch,	25 Tufts st.	600	1874
7	Mary A. Bradford,	24 Quincy st.	600	1888
7	Nellie S. Dickey,	24 Quincy st.	600	1889
6	Mabel T. Totman,	49 Boston st.	600	1892
6	Maribelle Curtis,	40 Berkeley st., Boston.	600	1895
5	Mary S. Rinn,	17 Wesley park.	600	1889
5	Ada F. Fernald,	12 Miner st.	600	1893
4	Mabel L. Fall,	10 Putnam st.	600	1895
3	Edith J. Holden,	19 Linden st., Reading.	600	1893
2	Martha E. Daniels,	93 Concord ave.	600	1891
1	E. Lorette Schuch,	25 Tufts st.	600	1882
CUMMINGS.				
4	<i>Lydia J. Page</i> , Principal,	21 Webster ave.	\$675	1869
3	Fannie L. Gwynn,	65 School st.	600	1886
2	Lena B. Blaikie,	56 Boston st.	600	1893
1	Margaret L. Martin,	16 Buckingham st.	500	1893

TABLE 31.—TEACHERS IN SERVICE DECEMBER, 1895.—*Continued.*

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
KNAPP.				
9	<i>John S. Emerson</i> , Principal,	95 Summer st.	\$1,800	1894
9	Abby C. Hunt,	14 Aldersey st.	675	1873
8	Emma Frye,	17 Allston st., Allston.	600	1891
7	C. B. Parkhurst,	22 Highland ave.	600	1889
6	Nellie A. Hamblin,	30 Walnut st.	600	1882
5	Clara B. Sackett,	52 Boston st.	600	1891
5	Annie E. Robinson,	20 Webster ave.	600	1876
4	Nellie F. Sheridan,	84 Prospect st.	600	1888
3	Abbie A. Gurney,	11 Sanborn ave.	600	1888
2	L. Gertrude Allen,	230 Washington st.	600	1884
2	Grace May White,	66 Walnut st.	600	1893
1	Lucia Alger,	11 Sanborn ave.	600	1889
1	Minnie Alice Perry,	16 Pleasant ave.	600	1891
1	Ida B. Mason,	56 Boston st.	600	1893
POPE.				
9	<i>George M. Wadsworth</i> , Principal,	41 Boston st.	\$1,800	1891
9	Florence A. Chaney,		675	1892
8	Harriet M. Clark,	1 Vernon st., West Medford.	600	1893
7	Alice I. Norcross,	79 Mt. Auburn st., Watertown.	600	1885
6	Blanche G. North,	5 High st.	400	1893
5	Lizzie W. Parkhurst,	22 Highland ave.	600	1885
5	Frances A. Wilder,	36 Walnut st.	600	1874
4	Annie G. Sheridan,	84 Prospect st.	600	1886
4	Minnie Partridge,	39 Greenville st.	600	1895
3	Clara M. Wheeler,	39 Greenville st.	600	1895
2	Lillian S. Albee,	42 Walnut st.	600	1888
1	Lydia E. Morrill,	34 Bow st.	600	1892
1	Jean Clinton Terry,	25 Aldrich st.	600	1895
PROSPECT HILL.				
6	<i>Helen Tincker</i> , Principal,	63 Columbus ave.	\$650	1872
3	Mabel L. Bement,	87 Temple st.	400	1895
K'g'n	Blanche Seabury,	Boston.	500	1892
Ass't	Clara H. Brown,		200	1895
BENNETT.				
3	<i>Mary B. Smith</i> , Principal,	7 Dell st.	\$650	1885
2	Annie E. Crimmings,	25 Church st.	600	1884
1	Miriam Cavanagh,	22 Linden st.	500	1893
K'g'n	Miriam S. Cutler,	Arlington st., Cambridge.	400	1895
JACKSON.				
3, 2	<i>Annie E. McCarty</i> , Principal,	21 Church st.	\$675	1880
1	Isadore E. Taylor,	30 Florence st.	600	1883
1	Annie L. Savage,	108 Inman st., Cambridgeport.	600	1873
K'g'n	Caroline G. Baker,	46 Washington st., Charlestown.	500	1895

TABLE 31.—TEACHERS IN SERVICE DECEMBER, 1895.—*Continued.*

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
FORSTER.				
9	<i>Fred C. Baldwin</i> , Principal,	Sycamore st.	\$1,800	1893
9	Elizabeth A. Page,	Cor. Medford and Sycamore sts.	675	1893
8, 9	Mary E. Bunton,	Cor. Medford and Sycamore sts.	675	1894
7, 8	Irena S. Nightingale,	Arlington.	600	1895
8	Minnie A. Worden,	169 Sycamore st.	600	1895
7	Adelaide F. Eaton,	82 Belmont st.	600	1894
6	Elizabeth F. Clement,	29 Kidder ave.	600	1884
5	Lucy K. Hatch,	72 Marshall st.	600	1892
4	Alice A. Batchelor,	49 Tennyson st.	600	1877
3	Maude L. Kent,	18 Maple ave.	600	1893
2	Annie S. Gage,	32 Marshall st.	600	1883
1, 2	Grace Shorey,	23 Forster st.	600	1892
1	Mary J. Richardson,	151 W. Canton st., Boston.	600	1895
GLINES.				
7	<i>Mary E. Northup</i> , Principal,	181 Central st.	\$1,000	1878
6	Mary E. Stiles,	181 Central st.	675	1883
5	M. Frances Guptill,	116 Highland ave.	600	1869
4	Ellen A. Boynton,	55 Heath st.	600	1891
4	Margaret A. Orr,	1590 Cambridge st., Cambridge.	600	1891
3	Mary A. Goddard,	55 Heath st.	600	1893
2	Florence E. Baxter,	50 Albion st.	600	1891
2	Ursula M. Willard,	Medford and Sycamore sts.	500	1894
1	Laura M. Lamont,	Sargent ave. and Mills st.	600	1895
BINGHAM.				
6	<i>Harry F. Hathaway</i> , Principal,	31 Vinal ave.	\$1,000	1890
5	Carrie E. Fay,	21 Aldersey st.	600	1889
4	Elizabeth J. O'Neil,	505 Broadway.	600	1894
3	Harriet F. Ward,	77 Jenny Lind ave.	600	1894
2	Mary E. Jordan,	23 Ames st.	600	1895
2	Flora B. Rice,	43 Robinson st.	600	1895
1	Belle J. Tifft,	7 Lee st.	600	1892
1	Mabel E. Mansir,	77 Albion st.	400	1891
BEECH STREET.				
4, 3	<i>Ella M. Coops</i> , Principal,	19 Church st.	\$625	1892
1	Elizabeth S. Foster,	54 Belmont st.	600	1895
Ass't	Florence W. Gooding,	24 Pleasant ave.	200	1895
CEDAR STREET.				
4, 3	<i>Lizzie A. Davies</i> , Principal,	29 Worcester sq., Boston.	\$625	1893
2, 1	Mary E. Lacy,	63 Cherry st.	600	1890

TABLE 31.—TEACHERS IN SERVICE DECEMBER, 1895.— *Continued.*

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
MORSE.				
9	<i>Mina J. Wendell</i> , Principal,	211A Summer st.	\$1,800	1882
9	Genevieve Allen,	10 Brastow ave.	675	1894
8	Emily J. Gifford,	10 Brastow ave.	600	1895
8	P. S. Downes,	30 Wallace st.	600	1872
7	Addie E. Wentworth,	211 Summer st.	600	1893
7	Lennie W. Bartlett,	211 Summer st.	600	1893
6	Anna E. Sawyer,	26 Bow st.	600	1872
6	Charlotte Duguid,	50 Brastow ave.	600	1894
5	Mary A. Haley,	117 Summer st.	600	1867
4	Lizzie E. Hill,	211A Summer st.	600	1891
3	Helen M. Mead,	211A Summer st.	600	1893
2	Ella P. McLeod,	19 Wesley park.	600	1888
1	Alice M. Emerson,	6 Evergreen ave.	500	1891
Ass't	Alice Beckwith,	13 Brastow ave.	200	1895
FRANKLIN.				
6	<i>Harriet A. Hills</i> , Principal,	41 Belmont st.	\$700	1874
5	Jennie A. Chapman,	50 Brastow ave.	600	1894
4	Anna C. Damon,	34 Laurel st.	600	1879
2	Caroline S. Plimpton,	46 Laurel st.	600	1859
DURELL.				
3	<i>Nora F. Byard</i> , Principal,	248 Summer st.	\$675	1884
3, 2	Grace A. Bosworth,	16A Church st.	600	1894
2	Edith L. Hunnewell,	9 Mason ave.	400	1894
1	Mary Winslow,	38 Spring st.	600	1893
HARVARD.				
1	Grace B. Tibbetts,	4 Tenney st. No., Cambridge.	\$600	1890
BURNS.				
5	<i>Laura J. Brooks</i> , Principal,	31 Stevens st., Stoneham.	\$675	1883
4	Mary S. Lawrence,	59 Cedar st.	600	1895
3	Minnie S. Turner,	16A Church st.	600	1885
2	A. L. Brown,	281 Summer st.	600	1885
1	Florence M. Hamlin,	90 Orchard st.	600	1889
Ass't	Alice E. Morang,	10 Fairlee st.	275	1893

TABLE 31.—TEACHERS IN SERVICE DECEMBER, 1895.— *Concluded.*

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
HIGHLAND.				
9	<i>George E. Nichols</i> , Principal,	26 Loring st.	\$1,800	1877
9	M. Alice Paul,	23 Chester st.	675	1879
9	Jennie S. Wescott,	53 Chester st.	675	1892
8	Mabel A. Jepson,	53 Chester st.	600	1892
8	S. Adelaide Blood,	53 Morrison st.	600	1882
7	Annie R. Cox,	53 Morrison st.	600	1883
6	Grace M. Clark,	1 Vernon st., West Medford.	600	1893
5	Jennie C. Frazier,	119 Thorndike st., Cambridge.	600	1887
4	Sarah E. Pray,	28 Quincy st.	600	1878
3	Alice L. Hayward,	53 Chester st.	600	1893
2	Jennie M. Horner,	37 Morrison st.	600	1888
2	Mary H. Joyce,	76 Boston st.	500	1891
1	Gertrude Friend,	53 Chester st.	600	1893
1	Katherine E. Hourahan,	11 Irving st.	500	1892
Ass't	Ethel G. Trask,	10 Dover st., Cambridge.	200	1893
LINCOLN.				
7, 6	<i>Elizabeth Hodgdon</i> , Principal,	53 Chester st.	\$700	1895
5, 4	Flora A. Burgess,	117 Chestnut st., Waltham.	600	1894
3, 2	Charlotte F. Mott,	105 Holland st.	600	1886
1	Eliza H. Lunt,	50 Curtis st.	600	1890
Ass't	E. L. Ward,	21 Stickney ave.	425	1893
Ass't	Bertha M. Jones,	8 Clarendon ave.	425	1895
SPECIAL TEACHERS.				
Music	S. Henry Hadley,	35 Everett ave.	\$1,333	1869
9-7	Mrs. Gish Garwood,	19 Follen st., Boston.	800	1891
6-1				
Draw- ing.	Mary L. Patrick,	Newtonville.	900	1895
9-1				
Sew- ing.	Mary L. Boyd,	Westwood road.	600	1888
8-5	Sarah I. Stanton,	211 Summer st.	600	1895
8-5				

ASSISTANTS IN SERVICE DECEMBER, 1895.

NAME.	School.	Salary.	Beginning of Service.
Alice Beckwith . . .	Morse	\$200	1895
Clara H. Brown . . .	Prospect Hill	200	1895
Florence W. Gooding . . .	Beech St.	200	1895
Bertha M. Jones . . .	Lincoln	425	1895
Alice E. Morang . . .	Burns	275	1893
Ethel G. Trask . . .	Highland	200	1893
E. L. Ward . . .	Lincoln	425	1893
Harriet R. Currier . . .	Beech St.	. .	1895
Anna L. Fillebrown . . .	Knapp	. .	1895
Lila G. Gray . . .	Lincoln	. .	1895

TABLE 32.—AMENDMENTS TO THE RULES HAVE BEEN
MADE DURING 1895.

In addition to Section 4, Chapter VI.

“Principals of buildings containing less than eight rooms shall receive compensation for supervision at the rate of twenty-five dollars (\$25.00) for each occupied room other than their own.”

In addition to paragraph 1 of Section 4, Chapter VI.

“Except that the maximum salary of kindergarten teachers shall be \$500.”

Section 10, Chapter VI. of Rules of the Board.

There shall be elected annually at the April meeting three teachers to serve as regular substitutes whenever and wherever they may be needed. These teachers shall be under the direction of the Superintendent in consultation with the several standing committees, and when not engaged in substituting shall pursue special lines of work in the various schools as teachers of penmanship, nature work, physical training, reading, etc. The salary of said substitutes shall be at the rate of \$700 per annum.

Substitute for paragraph 1, Section 3, Chapter VII.

The salaries of teachers shall be payable monthly for each week of actual service. Regular teachers who are absent from school on account of personal illness, or who are absent not more than three days on account of the death of either of the following members of their immediate family, to wit: a parent, child, brother, sister, husband, or wife, shall suffer no loss of pay, provided such absence does not aggregate more than five days in any one month or fifteen days in a year. Absence in excess of the above periods, or from any other cause, shall be without pay.

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REPORT

OF THE

TRUSTEES OF THE PUBLIC LIBRARY.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, February 12, 1896.

Referred to the Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, FEBRUARY 13, 1896.

Referred to the Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

BOARD OF TRUSTEES AND OFFICERS
OF THE SOMERVILLE PUBLIC LIBRARY, YEAR ENDING
DECEMBER 31, 1895.

TRUSTEES.

CHARLES S. LINCOLN	ELIJAH C. CLARK.
J. HENRY FLITNER.	JOHN B. VIAL.
CHRISTOPHER E. RYMES.	CHARLES A. WEST.
CHARLES H. BROWN.	J. FRANK WELLINGTON.
CHARLES W. SAWYER.	

OFFICERS.

CHARLES S. LINCOLN	<i>President.</i>
JOHN S. HAYES	<i>Secretary.</i>

COMMITTEES.

BUILDING AND GROUNDS.—Rymes, Vial, Brown and Wellington.
ADMINISTRATION.—Sawyer, Wellington and Clark.
BOOKS AND CATALOGUES.—Lincoln, *ex officio*, Rymes, West, Vial,
and Brown.
FINANCE.—Flitner, Clark and Sawyer.

LIBRARIAN.

JOHN S. HAYES.

ASSISTANTS.

ANNA L. STONE.	MARY J. WARREN.
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CATALOGUER.

F. MABEL NORCROSS.

RECEIPTS AND EXPENDITURES FOR 1895.

CREDIT.

Balance from 1894	\$ 9.55
Appropriation	6,500.00
Dog Licenses	2,693.51
Fines	148.02
Catalogues	61.75
Book sold	14.00
	<hr/>
	\$9,426.83

DEBIT.

Books and periodicals	\$2,868.49
Binding	692.67
Covers and paper \$51.24, cards \$53.54	104.78
Printing, 70.35, postal cards, \$20.00	90.35
Stationery	49.20
Salaries, Administrative department	2,938.77
“ Cataloguing department	1,515.58
Branch office	75.00
Furniture	30.60
Repairs	39.62
Express	90.25
Electric lighting	64.22
Gas	105.27
Incidentals	7.00
Water	24.00
Fuel	58.23
Insurance	225.00
Card catalogue cabinet	125.00
Disbursements	15.75
Picture frames	13.51
Postage	25.00
Printing supplement of 1894	100.00
Book Pockets	46.30
Rubber Stamps	1.90
Balance to 1896	120.34
	<hr/>

\$9,426.83

PUBLIC LIBRARY IMPROVEMENT.

CREDIT.

Balance from 1894	\$3,000.00
Appropriation	3,000.00
	<hr/>
	\$6,000.00

DEBIT.

A. B. & W. I. Westervelt contract . . .	\$3,945.00
F. C. Fuller & Co. contract . . .	650.71
Painting and varnishing . . .	457.45
Electric light wiring and fixtures for stack- room	298.74
Gas fixtures for stack-room . . .	150.18
Electric lighting for gas . . .	69.76
Boxes for storing books . . .	34.55
Insurance	49.05
Plans and architects' fees . . .	40.00
Furniture	91.07
Labor, etc.	90.69
Carpenters' bills	55.38
Grills for delivery desk . . .	35.00
Balance to 1896	32.42
	<hr/>
	<u>\$6,000.00</u>

CITY OF SOMERVILLE.

TO THE BOARD OF ALDERMEN AND COMMON COUNCIL OF THE
CITY OF SOMERVILLE:—

Gentlemen,—The Trustees of the Public Library beg leave to submit their annual report to your honorable Boards, together with the report of the librarian. We desire to call special attention to the latter report, since it gives more in detail matters affecting the history and work of the library, and also because it will probably be deemed best in the future to make such report, having the endorsement of the Board of Trustees, all it will be necessary to submit for your consideration. This would have been done this year, were it not that the considerable changes, made possible by the wise generosity of the city government, should have in our judgment our emphatic approval.

At the very outset, therefore, we wish to express our entire satisfaction with the work projected and accomplished by our able librarian and his faithful corps of assistants. The difficulty in the way of such work has been considerable, and at times serious. But we take great pleasure in stating that it has been eminently successful. So much so, that we can point with pride to our Public Library, with the confident expectation that if the same liberal policy is had in the future, its usefulness will be demonstrated. Such liberal policy is a matter of necessity. The acquisition of books during the past year has been unusually large, but the number of volumes is still too small to meet the demands in a city rapidly approaching sixty thousand inhabitants. The annual purchase of books should be greater rather than less in the future. Indeed, so important do we consider the increased facilities of the library, that we venture to call particular attention, not only to the necessity for liberal appropriations in the future, but to the fact that we are less fortunate than some of our neighboring cities in having no munificent endowments through individual donations or bequests, and that we, therefore,

think it not out of place to express what we trust is no vain hope, that, as our fellow-citizens shall come to realize the importance of a well-organized library as an auxiliary institution of learning in every community, those who are fortunate in the possession of worldly wealth may increase its efficiency by substantial gifts.

Why should not those who, in other ways, have labored for the welfare of the city, and have watched with helpful interest whatever efforts have been made for the well-being of its citizens, consider whether a lasting monument would not be built in honor of their public spirit by setting aside, by immediate endowment or by legacy, from \$2,000 to \$5,000 to furnish an alcove bearing their own name, where valuable books on special subjects might be collected by the use of the income available from such fund? The value of such gift would not be confined to one year, but every successive year would add to the benefits that would accrue; and the generations to come would, with larger intelligence, be incited to more praiseworthy work, by such example.

The progress made during the year now closing marks an epoch in the history of the library. Never before have its treasures of literature been so fully revealed to those who desire to use them. A well considered system of classification has been adopted and completed, which will furnish the reader, or student, invaluable aid in his pursuits. Whatever topic he may desire to investigate, he will find a careful digest at his ready command. The advantages of such a work are so considerable, that it is to be regretted that it should not have been done at an earlier period. This does not in any way reflect upon the fidelity of former Boards of Trustees, or of those in immediate charge of the library, since it is comparatively of recent years that the need of such classification has been pressed home to the attention of libraries. Indeed, it may be said, and should be said as a matter of historical fact, that if it had not been for the painstaking fidelity of those having charge of the Public Library from the very first, we to-day should not be able to display so rich and abundant results.

Reference has already been made to the new system of classification. In this connection some brief mention should be made of the new catalogue, or what may be more fittingly called a finding list. Its value can hardly be overestimated. It is a book of reference in the investigation of individual topics, and a skilful guide in the adoption of a systematic course of reading.

It was found necessary in perfecting the present arrangements to close the library for about four months. This was done not merely to classify the books, or to construct the new catalogue, but in order that improvements might be made by introducing another method of shelving, and in securing more light in the book-room. We call attention to this because there have been some criticisms on account of this enforced closing of the building. If it had only been a matter of a new arrangement of books, or the re-numbering and cataloguing of the books, such work could have proceeded while the library was open, at least in part, although the work might have been retarded; but this could not be done while workmen, however efficient, were engaged in removing the old and cumbersome bookcases, and setting up new stacks for enlarged shelving room, and reconstructing the room so as to have virtually another story added to the original book-room, and making the lighting from windows double what it was before. This brief reference will satisfy any considerate observer that the best was done under the circumstances.

The trustees desire to call special attention to two matters which affect the usefulness of the library. One is the Monthly Bulletin. This will furnish the reader with a list of new books bought, and a carefully selected list of books on topics of more immediate public interest. Too much emphasis cannot be given to the importance of this bulletin. It should be read, even studied, and preserved for the valuable suggestions it will furnish.

Another matter of considerable moment is the action taken by the trustees, by which classes in the public schools above the seventh grade will be furnished direct from the library such books as they may select, and we are led to believe that their instructors will further their work by designating the most helpful and instructive books, in connection with their vocation. Aside from this special service for the benefit of the schools, pains will be taken by the librarian and his assistants to furnish to all who may desire to pursue any particular subject, all the aid in their power, so as to make everything in the library available. The reference room in the library will be open daily from 1.30 P. M. to 5.30 P. M., with an attendant to give any assistance needed.

It has been possible only to make brief reference of certain items which are referred to more in detail by our librarian in his report, which we submit to you as a part of our report. He has there

given us an historical sketch which supplements whatever has been heretofore stated in his previous reports. It is hoped that such sketch may some day be enlarged, so as to give a more complete history of what we deem to be an important department of the growth and development of our prosperous city. Too much praise cannot be accorded to the librarian, and his assistants as well, for the unflagging zeal and fidelity with which he has performed his work during the past year. To him is mainly due the design and execution of the plan of reorganization of the library, and thereby bringing it, we believe, to a higher degree of usefulness than it has ever attained before. We believe he fully realizes his responsibility, and the importance of his work, and loses no opportunity to promote its efficiency.

Gentlemen, it may be thought that too great importance is attached by us to the Public Library. But our familiarity with its operations through many years compels the conviction we express. Doubtless many books in the library are used by comparatively few persons. Nevertheless, such books are valuable, since the readers of them may, through their influence, induce many others to a wider use of such books, and render them more acceptable to the public at large. It has been said that poetry was only *vinum dæmonum*, *i. e.*, the wine of evil spirits, but the kindling of the imagination and the appeal to a lively sensibility may be of as large use in exciting the mind to a more serious study of literature, as the reading of history or the close application of the mind to metaphysics.

Bacon has written, "The first creation of God, in the work of the days, was the light of the sense, the last was the light of reason." It may be more easy to furnish what will stimulate and feed the former, but no one can dispute that the latter is of larger worth. The light that adorns matter may be pronounced good, but quite as good, with wider reach of power, is the light of the "living soul."

The resources of a library must give a banquet of many courses to those who may seek for an intellectual feast. There can be no uniformity of diet that can suit all tastes. It would be well to keep in mind the suggestive statement of the father of modern philosophy, so often quoted: "Some books are to be tasted, others to be swallowed, and some few to be chewed and digested."

This may apply more especially to those whose experience in life and thought has the stamp of years. It must not be forgotten, how-

ever, that the influence of the Public Library touches the very springs of life. The young are educating ability and making character, and the old adage must not be kept out of sight — “*Abeunt studia in mores,*” *i. e.*, studies become habits.

A great responsibility rests upon those who would help mould character by any method of development. The public press, the public school, and the public library hold in hand, in a great degree, the culture of the present and the character of the future. Whatever may be said of the public press and the public school, so far as the public library is concerned, we recognize our responsibility. What Epictetus said, in the dusty past, is true to-day, “You will do the greatest service to the State, if you raise, not the roof of the houses, but the souls of the citizens, for it is better that great souls should dwell in small houses rather than for mean slaves to lurk in great houses.”

Respectfully submitted,

CHARLES S. LINCOLN,
President.

December 30, 1895.

REPORT OF THE LIBRARIAN.

TO THE TRUSTEES OF THE SOMERVILLE PUBLIC LIBRARY:—

Gentlemen,—In presenting my third annual report, which is the twenty-third annual report of the librarian, I most heartily congratulate you in the realization of the hopes of former years: namely, the alteration of the book-room, the erection of the book-stack, the re-classification of the library, and the printing of a complete finding list of the books. The past year has indeed been a notable one in the history of the library, a year largely of preparation and the laying of a foundation for greater usefulness in the future.

CHANGES.

At the very beginning of this report I desire to call your attention to the changes made in the library building. These cannot be altogether seen on the outside, although it will be noticed that while preserving substantially the appearance familiar for many years, the lengthening of the windows in the book-room end has added to the apparent height of the structure, and has improved the general appearance of the building, and gives virtually twice the former light-area, which is of great value to the library itself. This very important change for the better should not be overlooked. Yet for the immediate practical purposes of the library, the shelving of books, the increased space for the inevitable addition to the number of books in the near future, and the facility of delivering books to those calling for them, these interior changes are of more marked and substantial value.

The old wooden cases have been abandoned. Steel stacks have been substituted, light and strong, so constructed that light and air can reach all shelves. This will be of noticeable benefit to the books. The shelves themselves are interchangeable, and can be easily adjusted when loaded, making it a very simple and easy matter to enlarge the space set apart to any particular class of books, as the

continual growth of the library may from time to time require. This arrangement also adds largely to the shelf space devoted to the accommodation of the volumes for immediate use or for occasional reference. This will be more apparent when the statement is made, that between 50,000 and 60,000 volumes can be placed upon the stack which now occupies the space that formerly was crowded with less than 23,000.

These stacks occupy two stories. The upper story is easily reached by a stairway at each end of the book-room, and these stairways are so constructed as to give the least obstruction to the light, in this respect, following the design of the book-stack. The upper floor is of thick glass, and has an ornamental front and gallery rail.

There are two means for interior lighting, gas and electricity. Pipes and wires have been laid with great care so as to avoid any danger of fire. Even when gas is used, there will be no danger from the use of matches, as each burner is connected with a battery, and the gas lighted by electricity. It should also be stated that in lighting the several stacks, as they may be needed, each alcove is on a separate circuit. It is evident that this gives a marked advantage over any other ordinary method.

A still further change has been made in introducing a large book lift in the rear of the room, running from the basement to the second book-stack floor. All books will be received and unpacked in the basement, and at some future time a room should be fitted up there for the repairing of books.

The cost of the alterations in the building, the new book-stack, and the necessary changes and repairs amounted to \$5,967.58. A detailed statement will be found in the financial exhibit herewith submitted. I congratulate you that you were able to complete the work, according to your original plans, within the appropriation made by the City Council for the purpose.

CLASSIFICATION AND CATALOGUING.

In perfecting the arrangements made, a vast amount of work was necessary, and it is obvious this could not be done while the library was open. The contractors, who had the alteration of the building, and the erection of the book-stack in charge, must have undisturbed possession of the book-room for three months, and it was necessary

to close the library June 1st. In less than three days over 23,000 books were packed away in boxes, filling the delivery room well-nigh to the ceiling, and in the old cases set up in the reading room, so closely arranged that it was with great difficulty individual volumes could be reached. This fact, together with the very contracted space in which any clerical work could be done, made the labor of cataloguing, classifying, and changing the numbering system very exacting. It may be said, however, that no more faithful and vigilant work has been done for the city, than that wrought by the Cataloguer of this library, Miss F. Mabel Norcross, and her assistants, who have numbered sometimes as many as eight. Let it be understood that this work included not merely writing the titles of books for an ordinary list catalogue, but a careful classification of all the books in the library. In this respect, and in the admirable success attained, Miss Norcross deserves most honorable mention. She has been tireless in her efforts to have the catalogue in every way complete. The extent of this work will be readily seen by any one who will examine a catalogue slip and notice what it includes,—bearing in mind that every work in the library had its individual slip.—

808	521.1
S 3	SPOFFORD, AINSWORTH RAND <i>and</i> GIBBON, CHARLES, <i>ed.</i>
	Library of choice literature:
	prose and poetry, selected from standard authors. Ed. 2.
17423-32	Phil. [c.1888.] 10 v. 8°. <i>pl.</i>
	<i>Note.</i> —For index of authors, see v. 10.

First, the author's present name, frequently a difficult matter to ascertain, as many more books are written anonymously than is generally supposed, and matrimony makes strange havoc with even authors' names. Second, the complete title of the book. Third, the

edition of the book. Fourth, the number of volumes in the set. Fifth, where published. Sixth, when published. Seventh, size of the book. Eighth, illustrated or not. Ninth, number of pages in book. Tenth, any other bibliographic notes that may be needed to describe the work or edition. Eleventh, the old shelf number of the book. Twelfth, accession catalogue number. Thirteenth, classification. Fourteenth, new class or call number.

The merely mechanical work necessary was arduous. Every book had to be written on two slips, one under its title, the other under the name of the author. Such slips numbered nearly 60,000. But this was only a part of the work needed. Every book was overhauled, the label on it steamed off, and a new one put in its place and a new number given it, and this new call number must be written on the book-plate within the book, and on both sides of the charging slip. Every book, besides, had on the inside of the back cover a pocket for the charging slip, which must be folded and pasted in its place, and a dating slip attached on the last fly-leaf.

All this labor was necessarily connected with the new method of classification and cataloguing. When the finding list was completed, it was found to contain 472 closely-printed pages. How much work this represents may be partially known by studying the extent of the classification. There are ten general classes. Each class has ten divisions, and each division has, at least, ten sections.

The following tables will give a general idea of the Decimal System of Classification:—

CLASSES.

0. General Works.
1. Philosophy.
2. Religion.
3. Sociology.
4. Philology.
5. Natural Science.
6. Useful Arts.
7. Fine Arts.
8. Literature.
9. History.

DIVISIONS.

.000 GENERAL WORKS.

- 010 Bibliography.
- 020 Library economy.
- 030 General cyclopedias.
- 040 General collections.
- 050 General periodicals.
- 060 General societies.
- 070 Newspapers.
- 080 Polygraphy.
- 090 Book rarities.

100 PHILOSOPHY.

- 110 Metaphysics.
- 120 Special metaphysical topics.
- 130 Mind and body.
- 140 Philosophical systems.
- 150 Psychology.
- 160 Logic.
- 170 Ethics.
- 180 Ancient philosophers.
- 190 Modern philosophers.

200 RELIGION.

- 210 Natural theology.
- 220 Bible.
- 230 Doctrinal theology.
- 240 Devotional and practical.
- 250 Homiletic. Parochial.
- 260 Church. Institutions.
- 270 Religious history.
- 280 Christian churches. Sects.
- 290 Non-Christian religions.

300 SOCIOLOGY.

- 310 Statistics.
- 320 Political science.
- 330 Political economy.
- 340 Law.
- 350 Administration.
- 360 Associations. Institutions.
- 370 Education.
- 380 Commerce.
- 390 Customs. Costumes.

400 PHILOLOGY.

- 410 Comparative.
- 420 English.
- 430 German.
- 440 French.
- 450 Italian.
- 460 Spanish.
- 470 Latin.
- 480 Greek.
- 490 Minor languages.

500 NATURAL SCIENCE.

- 510 Mathematics.
- 520 Astronomy.
- 530 Physics.
- 540 Chemistry.
- 550 Geology.
- 560 Paleontology.
- 570 Biology.
- 580 Botany.
- 590 Zoölogy.

600 USEFUL ARTS.

- 610 Medicine.
- 620 Engineering.
- 630 Agriculture.
- 640 Domestic economy.
- 650 Communication.
- 660 Chemical technology.
- 670 Manufactures.
- 680 Mechanic trades.
- 690 Building.

700 FINE ARTS.

- 710 Landscape gardening.
- 720 Architecture.
- 730 Sculpture.
- 740 Drawing. Design.
- 750 Painting.
- 760 Engraving.
- 770 Photography.
- 780 Music.
- 790 Amusements.

800 LITERATURE.

- 810 American.
- 820 English.
- 830 German.
- 840 French.
- 850 Italian.
- 860 Spanish.
- 870 Latin.
- 880 Greek.
- 890 Minor languages.

900 HISTORY.

- 910 Geography and description.
- 920 Biography.
- 930 Ancient history.
- 940 Europe.
- 950 Asia.
- 960 Africa.
- 970 North America.
- 980 South America.
- 990 Oceanica and Polar regions.

THIRD SUMMARY. SECTIONS.

600 USEFUL ARTS.

- 601 Philosophy.
- 602 Compends.
- 603 Dictionaries. Cyclopedias.
- 604 Essays. Lectures. Addresses.
- 605 Periodicals. Magazines.
- 606 Societies. Fairs. Exhibitions.
- 607 Education.
- 608 Patents.
- 609 History of useful arts.

610 MEDICINE.

- 611 Anatomy.
- 612 Physiology.
- 613 Hygiene. Gymnastics.
- 614 Public health.
- 615 Materia medica. Therapeutics.
- 616 Pathology. Diseases.
- 617 Surgery. Dentistry.
- 618 Diseases of women and children.
- 619 Comparative medicine.

620 ENGINEERING.

- 621 Mechanical.
- 622 Mining.
- 623 Military.
- 624 Bridge and roof.
- 625 Road and railroad.
- 626 Canal.
- 627 River and harbor.
- 628 Sanitary. Water-works.
- 629 Other branches.

630 AGRICULTURE.

- 631 Soil fertilizers. Drainage.
- 632 Pests. Blights. Insects.
- 633 Grains. Grasses. Tea, etc.
- 634 Fruits. Orchards. Vineyards.
- 635 Kitchen garden.
- 636 Domestic animals.
- 637 Dairy. Milk. Butter. Cheese.
- 638 Bees. Silkworms.
- 639 Fishing. Trapping.

640 DOMESTIC ECONOMY.

- 641 Cookery. Gastronomy.
- 642 Confectionery. Ices.
- 643 Food. Dining. Carving.
- 644 Fuel. Lights.
- 645 Furniture. Carpets. Upholstery.
- 646 Clothing. Cosmetics. Toilet.
- 647 Servants. Training. Wages.
- 648 Laundry.
- 649 Nursery. Children. Sick-room.

650 COMMUNICATION. COMMERCE.

- 651 Writing. Cipher. Typewriters.
- 652 Penmanship. Methods.
- 653 Shorthand. Abbreviations.
- 654 Telegraphy. Cables. Signals.
- 655 Printing. Type. Publishing.
- 656 Transportation. Railroading, etc.
- 657 Book-keeping. Accounts.
- 658 Business manuals. Methods.
- 659 Advertising and other topics.

660 CHEMICAL TECHNOLOGY.

- 661 Chemicals; salts, paints, etc.
- 662 Pyrotechnics. Explosives.
- 663 Beverages; wines, liquors, etc.
- 664 Foods; sugar, starch, etc.
- 665 Lights; gas, oils, candles, etc.
- 666 Ceramics; glass, clay, cement, etc.
- 667 Bleaching. Dyeing. Inks.
- 668 Other organic chemical industries.
- 669 Metallurgy. Assaying.

670 MANUFACTURES.

- 671 Articles made of metals.
- 672 Of iron and steel; cutlery, etc.
- 673 Of brass and bronze; bells, etc.
- 674 Lumber.
- 675 Leather.
- 676 Paper.
- 677 Cotton, wool, silk and linen.
- 678 Rubber.
- 679 Celluloid.

680 MECHANIC TRADES.

- 681 Watch and instrument making.
- 682 Blacksmithing. Horseshoeing.
- 683 Lock and gun-making.
- 684 Carriage and cabinet-making.
- 685 Saddlery. Trunks.
- 686 Book-binding.
- 687 Clothes-making. Hats.
- 688
- 689 Other trades.

690 BUILDING.

- 691 Materials, timber, stone, etc.
- 692 Plans and specifications.
- 693 Masonry. Plastering, etc.
- 694 Carpentry. Stair-building.
- 695 Slating and tiling.
- 696 Plumbing. Gas and steam-fitting.
- 697 Warming and ventilation.
- 698 Painting, glazing. Paper-hanging.
- 699 Car and ship-building.

We made some changes from the decimal system, and, except in few instances, did we carry the classification beyond the decimal point. Fiction and biography, for instance, were taken out of the regular classification in order to prepare separate finding lists on those two subjects, and in fiction and biography the Cutter Expansive System was used.

It is not to be understood that the new finding list is perfect, or is the best that could be made if we had plenty of time, a large library force, and plenty of money. It has its advantages over the old-style catalogue, and also its disadvantages. The ideal catalogue would have had, in addition to the subject and the author list, a complete title list, with full cross references, but the question of expense prevented this, and compelled abbreviated titles and names, the omission of size of books, pages, edition, and bibliographical information, which we hope to supply in a complete card catalogue, which I trust the funds at your disposal may permit us to commence very soon, and nothing will interrupt until it is completed, or rather brought up to date, for a card catalogue is never complete, so long as a library is used. Such a catalogue as we need, and must have, if we are to make the most of our opportunity, will call for another large expenditure of money and time.

Something should be added just here, more in detail, concerning the difficulty of classification and the dissatisfaction one feels when he has done his best. It might seem an easy matter, at first glance, to place an author's name and work. The contrary is true. For an illustration, let us take some of the works of Ruskin, shall they be placed under the head of art, or essay, or somewhere else? He is best known by his books on art, yet he has written on political economy, he has given to the world a volume of poems and more than one of essays; his writings include history, travels, biography, natural science, sociology, natural history, and religion. A single book of his might properly be classed in either one of two or more classes, but unfortunately a single book cannot be shelved in two places at the same time. What shall we do with it? The most practical rule is to consider where the average person would look for it and so classify it. Of course it will be seen that some books are naturally perplexing. Letters might properly enough be classed under literature, and English letters be marked 826, yet letters of travel might be placed with the 910's, while others might be placed with the works

on biography. Biography may easily be confounded at times with history or travels, and history or travels with biography. It frequently happens that when, after close study, you have classed a work under one head, you are perplexed to find that it might almost as well have been classed under another head.

Take for illustration, Custer's Boots and Saddle. It is largely a book of travel and description, 917, but the A. L. A. catalogue places it in biography, 920. We classed it 917.83.

917 represents travels in North America, 917.8 represents travels in the Western States in general, and 917.83 represents travels in Dakota. It will thus be seen, that by using five figures in the call, or shelf number, we are enabled to place all books of travel in one State, side by side in the library.

So, too, Collier's History of English Literature in a series of biographical studies might be classed as either collective biography, 920, or history of literature in general, as it contains American literature, 820.

Bunyan's Pilgrim's Progress might properly enough be classed as fiction, or as religious miscellany, which includes religious novels, allegories, etc. The A. L. A. classes it among fiction. We placed it under religious miscellany, that is, 244.

Of course our classification is abundantly open to criticism. I say "of course," because nobody can classify a library so that it satisfy anybody else, or even satisfy himself after he has finished it. There is no royal road to classification. "The best" is still to be found. The reasons for or against placing a certain book in a particular class, are too nicely balanced, or too slight and unimportant for different minds to be determined by them identically. We can all of us criticise every scheme that ever has been, or ever will be prepared, for at best, it is a matter of opinion, and opinions disagree. Even our own opinions are not the same under different states of mind.

Strabo records the fact that the King of Egypt employed Aristotle to classify his library, who pronounced him to be "the only man who was able to arrange the books of a large library in an orderly and systematic manner."

COST OF CLASSIFICATION AND FINDING LIST.

When it was decided to classify the library and print a complete finding list of the books, we estimated that it would cost \$4,350,

and that it would take, at least, one year to do the work. As a matter of fact, the finding list was completed in thirteen months from the time we commenced the work of cataloguing, and the total expense was \$4,343.97.

We paid for extra help in this work in 1894, \$251, and during this year \$1,144.22. To these sums should be added the salaries of Miss Norcross for fourteen months, and of the librarian and his two assistants for the four months that the library was closed, viz.: \$1,318.33. The cost of printing and binding 1,000 copies of the complete finding list, and 1,000 copies of the works of fiction and biography, was \$1,630.42, making the total cost \$4,343.97.

CITY APPROPRIATIONS.

The action of the city government in its appropriation for the benefit of the Public Library deserves more than a passing notice. It is difficult to gauge the value to a community, both in material prosperity and intellectual and social culture, of such enlightened liberality, — difficult, because in the nature of things, there may be no perceptible immediate results. It is easy to see an apparent advance in prosperity — when some special turn in public affairs “booms” real estate, or gives a transient excitement in any department of business. But the steady, resolute, and persistent advance in enduring prosperity is not so easily determined. It is the story over again of the mushroom and the oak. The first grows in a night and we can measure its size, the latter grows through scores of years, but the rings that tell of passing time are hidden, and we can judge of the vigor of the tree only by the slowly widening spread of its branches, and its patient endurance of summer’s heat and winter’s frosts.

It may be stated as a fact that the character of a community is largely determined by its intelligence, and that its intelligence depends upon its thought, its active force, and its purpose of life. All these are very largely dependent upon the educational resources of such community. Of course this brings us not merely into the region of that social life whose amenities have come from successive generations — but from the immediate use of such means as the Public Library and the Public Schools — together with all that religious and philanthropic institutions can provide.

The refinement of life in our large towns and cities, and especially throughout New England, is no accident. It can be traced to the thoughtful use of agencies that foster good living, high thinking, and an energy of life that is not appalled by difficulty, that does not faint by any exhaustion or dissipation of power in unworthy directions.

This city's government must care for varied enterprises. The resources of the city must be taxed—it may be thought, at times, too heavily. But there is no wisdom which can have better results, than that which not merely provides for present emergencies, but for future development.

So far as the Public Library is concerned, I venture to call attention to the increased use made of the facilities it offers, not only by the general reader, not only by those who pursue some specialty, but by those in our homes who need the rest which a good book, whether essay or novel, can give, and also by those who are entering upon manhood and womanhood, and upon whom must soon rest the responsibility, embracing the weal or woe of the future. Let it be understood that this institution has no professional narrowness. The Public Library can help the clergyman, the physician, the lawyer, the teacher. It should be so systematized in its arrangements that every profession and calling can consult it with the least possible trouble. But let us bear in mind that the average information, the average education, the average activity of life, make up the average character of the people. We do not judge the wealth of resource of our country by some exceptionally fertile valley or by the uplifted grandeur of some mountain range, but by the fertility of prairie lands and the reserve force in our lakes, that through natural or artificial channels turns the wheels of our multiplied industries. The educated common sense of the people in the various avenues of trade, and in the application of labor to all industrial arts is that upon which the hope of the future must rest, and by which the present work *for* the future must be governed.

I would especially emphasize the wisdom of the expenditure for the enlargement in accommodation and books in the Public Library. As I have said, we cannot determine the value of such expenditure by immediate accomplishment, but we may with entire confidence anticipate from it the gradual uplift of the community, and the deepening and broadening of its noblest life. Sometimes this comes with gradual development, sometimes by what seems a surprise. Florists are agreed that some of the most perfect flowers were what

were called “sports,” or, in other words, accidents. But accident is only revelation of unrecognized power. The king may sleep in the cradle of a peasant. Was not an Emperor of Rome once a slave? Did not Alfred find shelter in a herdsman’s hut? Was not one President of the United States a rail-splitter, another a tailor, another a tow-path boy? When you lay your hand upon the forehead of a child, and quicken its intelligence, you may touch a head that may be crowned with the dignity of labor, labor that may come to live in the White House, or be crowned at the bench of the mechanic.

The Public Library is meant to develop public resources for the public good. Let it have the generous support and hearty encouragement of those who constitute the public.

STATISTICS.

The whole number of books placed in the library since it was founded, as recorded in the Accession catalogue, is 31,739, and the number lost, worn out, and withdrawn during this same period, appears to be 2,755, making the number of books in the library at the present time 28,984. This does not include many volumes in the public document and duplicate room, and pamphlets.

During the past year 4,010 volumes have been added, and 163 have been worn out and withdrawn, making a net gain of 3,847 volumes. Many of these have been added to complete sets, and to strengthen those departments of the library that were most deficient. Most of these books were added during the early part of the year, and are included in the new finding list. Of the number added, 346 volumes were donations, and 3,664 volumes by purchase, and the binding of serials.

CIRCULATION.

The library has been open for the distribution of books only 204 days during the past year, it being closed June 1st. The East Somerville agency was discontinued April 15th, and the agency at West Somerville June 1st; neither of them have been reopened, but instead, the eight large grammar schools will be made distributing centres.

The number of books given out for home use was 68,231. The circulation of books during the year cannot be compared with any degree of accuracy with the circulation in former years, as the conditions have been so entirely different. While it is a fact that the library was nominally open for the delivery of books October 1st, only works of fiction and biography were ready for circulation at that time, and it was nearly December before all of the classes of books in the circulating department were ready for the public, therefore, the above figures do not represent the normal circulation for eight months.

The people living in the eastern and the western portions of the city, who relied upon the agencies for their books, have not adapted themselves to the changed conditions, and are not using the library as freely as they did. It may be found that the deliveries through the schools will not take the place of those closed, and supply the needs of these patrons. If such should prove to be the case, and a considerable number of persons living in those localities should ask for agencies open during the same hours as the library, their request should receive careful consideration. Over 13,000 volumes were sent through the agencies at East Somerville and Davis square last year. The number circulated through these channels the present year is misleading, and is therefore omitted.

In this connection it may be fitting to suggest, as we look forward at the future possibilities of the library, that it is worth our thoughtful consideration, whether it may not be practicable, at no distant day, to extend the facilities of the library, not only by delivering books at the schools, but at individual homes. It certainly seems possible that a system of book delivery could be devised that would be inexpensive, and a great saving of time.

Since not only books, but everything that a pupil can use in our public schools, are placed in his hands at the public expense, whenever he needs them, why should not those who rely upon the "people's college" for their mental equipment, have a similar advantage? In these days, when so many calls upon the time are made, not by business only, but by social duties, why would it not be to the great interest and advantage of those who would avail themselves of the rich resources of the library, to have a call by postal card or telephone for a volume answered as readily as the order for the morning newspaper or the latest magazine, that the postal service delivers at a simply nominal sum, indeed, it might be connected with the *local* postal service?

DONATIONS.

During the year the library has received as gifts 147 bound volumes, 200 pamphlets, and 912 numbers of periodicals. We have entered in the Accession catalogue and placed upon the shelves of the library 346 volumes that were donated, a part of which were donated in former years.

LIST OF DONATIONS.

	Vols.	Pamph.	Period.
Adams, Mrs. Lucy M. . . . .	...	...	12
Amherst College . . . . .	...	1	...
Boston Public Library . . . . .	...	1	3
Boulcott, John T.	3	...	...
Bradley, C. D. . . . .	...	1	...
Brewer, David H.	1	...	...
Brigham, W. E. . . . .	...	...	8
Brookline Public Library . . . . .	...	1	...
Builders Iron Foundry, Providence, R. I. . . . .	...	2	...
Burns, Hon. Mark F.	1	...	...
Cambridge Public Library . . . . .	...	1	...
Chelsea Public Library . . . . .	...	1	...
Chicago Public Library . . . . .	...	1	...
Christian Register . . . . .	...	...	52
Cincinnati Public Library . . . . .	...	1	...
Cleveland Board of Education	1	...	...
Clinton Public Library . . . . .	...	1	...
Coddington, Rev. I. P. . . . .	...	...	18
Concord Public Library . . . . .	...	1	...
Daniels, F. T.	1	...	...
Dayton, Ohio, Public Library . . . . .	...	1	...
Detroit Public Library . . . . .	...	1	...
Dover, N. H., Public Library . . . . .	...	2	...
Duddy, Robert	13	11	...
Eaton, Horace L.	1	...	...
Elliot, Charles W. . . . .	...	1	...
Fall River Public Library . . . . .	...	1	...
Field, Mrs. L. A. . . . .	...	...	12
First Methodist Church	3	...	...
Fitchburg Public Library . . . . .	...	1	...
Frothingham, Thomas G. . . . .	...	11	...
Gifford, W. L. R.	2	...	...
Glines, A. W. . . . .	...	...	12
Gottsberger, W. J.	1	...	...
Grand Army of the Republic, Dept. of Mass.	1	...	...
Groom, T. & Co. . . . .	...	1	...
Harvard Graduates Magazine . . . . .	...	...	3

LIST OF DONATIONS.— *Continued.*

	Vols.	Pamph.	Period.
Harvard University	1	. . . .	. . . .
Hayes, Mrs. E. S. . . . .	. . . .	. . . .	130
Hayes, John S.	1	. . . .	. . . .
Helena, Mon., Public Library . . . . .	. . . .	4	. . . .
Hills, William H. . . . .	. . . .	1	. . . .
Hoffman, Mrs. F. C. . . . .	. . . .	. . . .	200
Home Market Club . . . . .	. . . .	. . . .	12
Hume, Hon. Harrison . . . . .	. . . .	1	. . . .
Hunt, Abby C.	36	48	118
Illinois State Library . . . . .	. . . .	1	. . . .
Indian Rights Association . . . . .	. . . .	2	. . . .
Jersey City Public Library . . . . .	. . . .	1	. . . .
Journal Publishing Co. . . . .	. . . .	. . . .	104
Kellogg, John L., Providence	1	. . . .	. . . .
Ladies Home Journal	1	. . . .	. . . .
Lancaster Public Library . . . . .	. . . .	2	. . . .
Lincoln, Charles S.	1	. . . .	. . . .
Maguire, J. G., California . . . . .	. . . .	1	. . . .
Maine, State of	1	. . . .	. . . .
Malden Public Library . . . . .	. . . .	2	. . . .
Massachusetts, State of	15	. . . .	. . . .
Massachusetts, Commissioner of Labor	1	. . . .	. . . .
Massachusetts Charitable Mechanics Association	2	. . . .	. . . .
Medford Public Library . . . . .	. . . .	1	5
Melrose Public Library . . . . .	. . . .	1	. . . .
Milwaukee Public Library . . . . .	. . . .	1	. . . .
Mt. Holyoke College . . . . .	. . . .	1	. . . .
New Haven Public Library	2	3	. . . .
Newark, N. J., Public Library	2	. . . .	. . . .
Newton Public Library . . . . .	. . . .	1	. . . .
North Adams Public Library . . . . .	. . . .	1	. . . .
Patterson Public Library . . . . .	. . . .	1	. . . .
Peabody Institute . . . . .	. . . .	1	. . . .
Portland, Oregon, Public Library . . . . .	. . . .	1	6
Pratt, R. D.	5	. . . .	. . . .
Providence Public Library . . . . .	. . . .	3	12
Pullman Palace Car Co. . . . .	. . . .	1	. . . .
Radiator, Editors of . . . . .	. . . .	. . . .	7
Ring, F. W.	1	. . . .	. . . .
Rymes, Christopher E.	1	. . . .	. . . .
St. Louis Public Library . . . . .	. . . .	1	. . . .
Salem Public Library	1	2	12
Sanford, P. B.	1	. . . .	. . . .
Sargent, Aaron	1	. . . .	. . . .
Scranton Pa., Public Library . . . . .	. . . .	1	. . . .
Springfield Public Library . . . . .	. . . .	1	. . . .
Stone, E. A.	1	. . . .	. . . .
Taunton Public Library . . . . .	. . . .	1	. . . .

LIST OF DONATIONS.—*Concluded.*

	Vols.	Pamph.	Period.
Teachers' College, N. Y. . . . .	. . .	2	. . .
Tead, Rev. E. S. . . . .	. . .	. . .	20
The People, N. Y. . . . .	. . .	. . .	52
Thompson, B. F.	1	. . .	. . .
Thorpe, J. G., Jr. . . . .	. . .	4	. . .
Traveller's Insurance Co. . . . .	. . .	. . .	12
Trustees Public Reservations . . . . .	. . .	1	. . .
Tuftonian, Tufts College . . . . .	. . .	. . .	15
Tufts College . . . . .	. . .	2	. . .
United Societies, Manifesto . . . . .	. . .	. . .	12
United States Government	38	54	. . .
University of Pennsylvania	1	. . .	. . .
Vincent, Geo. I.	2	. . .	. . .
Werner Co., of Chicago	1	. . .	. . .
Whittier, J. H., Rochester, N. H.	1	1	10
Winthrop Public Library . . . . .	. . .	1	. . .
Woburn Public Library . . . . .	. . .	8	1
Young People's Society of Christian Endeavor, First Universalist Church . . . . .	. . .	. . .	64
Frothingham, Thomas G.		1 por.	

REBINDING.

During the past year 1,440 volumes have been sent to the bindery, and each year this number must be larger as the library grows in size, and increases in age, consequently the bills for rebinding will necessarily be larger, and this fact should be considered by the City Council in making its annual appropriation. Of this number, 1,142 volumes were books from the circulating departments, and 298 volumes of magazines.

MONTHLY BULLETINS.

Every public library that endeavors to keep up with the times, must furnish its readers with information as to fresh accessions. Up to the present time we have relied upon posting lists of new books in the delivery room, having a card catalogue of accessions for the public, and printing the lists in the local papers. The disadvantage

of the first two methods lies in the fact that the readers must come to the library to make their selection of books, and the lists printed in the newspaper may not reach many that desire the latest book. What is needed is a list that can be consulted at home, so that more care can be given to the selection of books, and that those who desire to make out for themselves a course of reading that they would like to pursue, may be able to make their selection at their leisure, undisturbed by the noise and confusion that is unavoidable, to a great extent, in the busy delivery room of our library.

I am now prepared to carry out the suggestion you made to me two years ago, and shall issue as near the first of each month as possible, commencing with January 1st, a bulletin containing not only a complete list of the accessions to the library, but special reading lists on subjects that are, or should be, of general interest to the public, and hints on reading. It will also serve as a convenient medium for announcements of all kinds relating to the library. I hope to make it so attractive, valuable and necessary, that it will be carefully preserved, for these bulletins and the printed finding list will form a complete catalogue of books in the library.

SEVEN-DAY BOOKS.

All the books in the circulating library at the present time are fourteen-day books and have been since the library was reopened. I am satisfied that the general public prefer to have the privilege of retaining a book for fourteen days, and it is also evident that the same general public dislike exceedingly to wait for the popular book. The demand for the new popular work of fiction, and some other books, is so great, that we must either procure more duplicate copies of these books, soon to be so much "dead capital" when the "craze" is over, or shorten the time they can remain in the hands of the reader. It seems to me that it would be better to return to the practice of making the new works of fiction, the unbound magazines, and a few other small books, "seven-day" books.

CHARGING SYSTEM.

The one thing in the daily routine of a library that influences the opinions of the borrowers of books as to the management, is the system of issuing and charging of books, and it is the very thing with

which every reader has to do, every time he visits the library. He comes to exchange a book, and the thing he cannot tolerate is slowness. He wants the book immediately, even if he is in no hurry after he gets it. If we are to please the public, we must pass the book through the routine with great rapidity, and it must not be done at the expense of accuracy, beyond this it cares almost nothing. It makes little difference to the borrower whether it is noisy or quiet, easy or difficult, requiring one or ten attendants; his concern consists in having his book discharged and delivered to him in the least possible time, and with perfect accuracy.

It will thus be readily seen that the method of keeping accounts with the books and the readers, is perhaps the most important question of library management, and the two essential factors that must determine the one to use are accuracy and rapidity, for unless your accounts are accurately kept, books will be continually lost, and if the patrons are unnecessarily detained in obtaining the book, they will tire of coming to the library.

The librarian must be able to locate every book belonging to the library at any time. If not in its place on the shelf, he must know whether it has been loaned to a reader, sent to the bindery, is being repaired, has been removed to another part of the library, is in the reading or reference room temporarily, is worn out, lost, or misplaced. More than this, he must know when it left the shelf, and when it should be returned. It is also very important for him to have a record of the circulation of each particular book, connecting each book with its borrower, in order to aid in discovery of mutilation or damage, also to determine the number of copies needed, and in case it is lost or worn out, he can determine whether it should be replaced or not.

Up to the present time, it has been our aim to simplify and perfect our charging system, so that it would not only furnish all the data required as to the books, but would reduce the time that the patrons of the library are compelled to wait for their books, and yet have the record correct.

How successful we may have been, in these particulars, you must judge, but we have demonstrated this fact, that no device has yet been invented that will prevent delays and even mistakes, during the hours when the delivery room is crowded, and the demands upon the attendants at the desk are incessant. This, however, can be safely

said, the system that we now use not only answers all of the requirements enumerated, but has reduced the perplexities to a minimum, and is a great improvement on any heretofore used in this library.

HISTORICAL SKETCH.

The question of establishing a public library in the town of Somerville had been suggested by different citizens for many years previous to 1869, but Edward E. Edgerly, President of the Somerville High School Association, seems to have taken a most active interest in the matter. Prevented by lingering sickness, and subsequent death, from maturing his plans, he had enthusiastically labored to instill his ideas into the minds of his associates, among whom was Henry M. Brown, who has the honor of taking the first active measures towards the establishment of the library, and in persuading the members of the Somerville High School Association to undertake the movement. Mr. Brown, with the consent of the executive committee of that body, sent letters to the Board of Selectmen and Board of School Committee of the town, inviting them to co-operate with the association in procuring a public library for Somerville. The selectmen promptly responded, by appointing a committee, consisting of three of its members, to confer with a similar committee of the association. This latter body immediately selected three gentlemen, and the two delegations met in December, 1869, and consisted of the following well-known citizens, viz.: Austin Belknap, Horace Haskins, and Francis Houghton, of the Board of Selectmen, and Edward C. Booth, Henry M. Brown, and George S. Littlefield, of the High School Association.

In March, 1870, the same committee was reappointed, and later in the year prepared a brief plan for founding and operating the proposed library. By this plan the executive committee of the association and the Board of Selectmen were to meet and elect a Board of Trustees for the library, three of whom were to be members of the Board of Selectmen, three members of the High School Association, and three citizens at large, and it was so arranged that the term of office of one of each class should expire each year. In accordance with this plan, an election was held, and the following-named gentlemen were provisionally chosen, viz.: Austin Belknap, Henry M. Brown, Samuel A. Carlton, Horace P. Hemenway, Oren S. Knapp,

John P. Marshall, Edwin Mills, Frank H. Raymond, and Columbus Tyler.

But the town, at a meeting held April 29, 1871, did not see fit to approve of the action thus taken, but "Voted, that a free public library be established," and appointed a committee, consisting of the above-mentioned board, and Russell H. Conwell, Joshua H. Davis, Samuel C. Hunt, George S. Littlefield, Rev. Charles Lowe, Isaac Pitman, and Quincy A. Vinal, "to report a plan for operating the same."

This committee organized by the choice of Rev. Charles Lowe as chairman, and George S. Littlefield as secretary. They devoted much time in perfecting plans, and considering rules and regulations for the management of the library, and in June appointed a sub-committee, consisting of Messrs. Vinal, Hunt, and Littlefield, who prepared a report, which was substantially that finally presented by the whole committee to the town.

Rev. Charles Lowe and Professor John P. Marshall, being absent in Europe, were unable to attend to the duties of this committee, and Rev. G. W. Durell and John R. Poor were invited to act in their places, and Austin Belknap was elected chairman. At a town meeting held July 22, the citizens ratified the change in the committee, granted them further time, and authorized them to report in print.

The report of this committee was accepted and adopted by the citizens in town meeting assembled, November 7, 1871.

In anticipation of the soon realized change from town to city form of government, it was provided, that the first Board of Trustees of the library should be elected by the first City Council, as soon after their organization as convenient. Accordingly, at a meeting of the City Council in convention, holden October 21, 1872, the following-named gentlemen were elected trustees of the public library: Three years, John P. Marshall, Austin Belknap, Charles A. Guild; two years, Quincy A. Vinal, Edward C. Booth, Michael J. Canavan; one year, George O. Brastow, William H. Furber, Selwyn Z. Bowman.

November 14, the Board of Trustees organized by electing John P. Marshall, president, and Edward C. Booth, secretary. November 19, Isaac Pitman was elected librarian.

May 1, 1873, the library was opened to the public, in the present City Hall, with 2,384 volumes on the shelves, of which 715 volumes were given by thirty-six donors.

June 1, 1875, Mr. Isaac Pitman resigned as librarian, and his assistant, Miss H. A. Adams, was elected to his place.

It is not only from a sense of duty, but of grateful appreciation that we refer to the voluntary and gratuitous work of Mr. Isaac Pitman, the first librarian, and to the long continued and faithful labors of the second librarian, Miss Harriet A. Adams. She won ample recognition of her ability and fidelity from every board of trustees through her many years of service, and now, as the library starts on an enlarged course of usefulness under improved conditions, it is fitting that this reference should be made to the highly creditable efforts of other years. The walls and roof of any structure can be secure only as the foundation is sound.

The present library building was erected in 1884-5, at a cost of \$28,338.45, exclusive of land, and was dedicated September 29, 1895, and the principal address on that occasion was made by Justin Winsor, Librarian of Harvard College.

The marked increase in the number of books made it imperative that either an addition should be made to the library building or that a change should be made in its book-shelving capacity. After very careful considerations of the needs and the cost, it was determined that a new method of shelving should be made practicable and additional use made of the book-storing space. Consequently, in 1895, the book-room was changed, by erecting a steel book-stack. This work was done by A. B. & W. I. Westervelt, New York. The total cost of the improvements was \$5,967.50, and to-day the library building can accommodate 60,000 volumes, so classified that the usefulness of the library is more than quadrupled.

Names of those who have served on the Board of Trustees since the Library was established in 1872.

	Elected.	Retired.
John P. Marshall, President, 1872-75	1872	1875
Austin Belknap	1872	1875
Charles H. Guild, President, 1875-76	1875	1876
Quincy A. Vinal	1872	1877
Edward C. Booth	1872	1876
Michael J. Canavan	1872	1874
George O. Brastow	1872	1873
William H. Furber	1872	1876
Selwyn Z. Bowman	1872	1873
Charles G. Pope	1873	1876
“ “	1885	1889
H. H. Barber, President, 1881-85	1873	1885
S. A. Carlton	1873	1876
Charles Lowe	1874	1874
William Veazie	1875	1885
William G. Toucey, President, 1876-81	1875	1884
T. J. Buffum	1876	1885
F. H. Raymond	1876	1879
A. M. Robinson	1876	1882
R. C. Downer	1876	1880
E. S. Conant	1876	1884
William H. Brine	1877	1889
C. S. Lincoln, President, 1885	1878	
J. Henry Flitner	1880	
C. E. Rymes	1882	
William E. Weld	1884	1893
Mark F. Burns	1884	1885
George A. Bruce	1884	1892
Sanford Hanscom, M. D.	1885	1890
James E. Whitaker	1885	1894
Elijah C. Clark	1889	
Charles H. Brown	1889	
John B. Viall	1890	
Charles A. West	1892	
J. Frank Wellington	1893	
Charles W. Sawyer	1895	
LIBRARIANS.		
Isaac Pitman	1872	1875
Miss H. A. Adams	1875	1893
John S. Hayes	1893	

We purposely refrain from saying anything about the time, thought and labor, gratuitously given by these gentlemen, eminent in public service, feeling assured that the public appreciate their efforts, and that the fruits of their labors can be seen, not only in the monument they have aided to erect, but in the intelligence of our citizens who so freely patronize the library.

YEARLY ACCESSIONS.

It may be of interest to note the additions of books to the library each year since it was started, as found recorded in the Accession catalogue. These figures denote the *total* accessions, and include the volumes worn out, lost, or withdrawn.

The library was open to the public May 1, 1873, with 2,384 volumes on its shelves.

	Added Each Year.	Accession No. Dec. 31, of Each Year.
Volumes May 1, 1873	2,384	
Added during 1873	1,251	3,635
“ 1874	1,027	4,662
“ 1875	573	5,235
“ 1876	602	5,837
“ 1877	853	6,690
“ 1878	749	7,439
“ 1879	515	7,954
“ 1880	660	8,614
“ 1881	668	9,282
“ 1882	770	10,052
“ 1883	913	10,965
“ 1884	859	11,824
“ 1885	964	12,788
“ 1886	1,150	13,938
“ 1887	1,165	15,103
“ 1888	1,846	16,949
“ 1889	1,346	18,295
“ 1890	1,817	20,112
“ 1891	1,432	21,544
“ 1892	1,648	23,192
“ 1893	1,677	24,869
“ 1894	2,860	27,729
“ 1895	4,010	31,739
Total number Dec. 31, 1895	31,739 volumes.	

It will be noticed that during the first five years there were added an average of 861 volumes each year; during the next five years an average of 672 volumes each year; during the third period of five years, an average of 1,010 volumes each year, and during the fourth period, an average of 1,618 volumes each year. In the year 1894, 2,860 volumes were added, and the present year, 4,010 volumes.

YEARLY CIRCULATION.

While it is true that the benefits derived from the use of the library cannot be reckoned in coin, expressed in tables, or described by the pen, it may be interesting, however, to see to what extent the public make use of the books in the library, and the number of books circulated from year to year.

Tables of figures are often misleading, and the following one will be, unless it is borne in mind that during the past twenty-three years of the library the figures representing the circulation have not always had the same meaning. During many years it was the rule to add the number of books taken from the shelves for consultation in the library, to the circulation, and also to count a renewed book the same as a book taken out, although it may not have left the shelf but once.

For the past two years, the word "circulation" means the number of volumes taken out for home use. It should also be borne in mind that the library was closed nearly three months during the year 1885, and more than four months during the present year:—

1873	18,047
1874	35,202
1875	39,025
1876	46,855
1877	57,682
1878	61,076
1879	63,215
1880	67,894
1881	67,649
1882	67,673
1883	70,531
1884	72,591
<i>Amount carried forward</i>	66,740

<i>Amount brought forward</i>	66,740
1885	65,450
1886	77,610
1887	79,062
1888	80,697
1889	88,381
1890	95,127
1891	95,248
1892	93,451
1893	93,213
1894	106,341
1895	68,231
Total	1,610,251

YEARLY APPROPRIATION AND COLLECTIONS.

	Appropriations.	Dog Licenses.	Catalogues.	Fines.	Gifts.	Miscellaneous.
Before 1872	\$2,237.76	. . . .	. . . .	. . . .	. . . .	. . . .
1872	1,139.33	. . . .	. . . .	. . . .	. . . .	. . . .
1873	4,000.00	. . . .	. . . .	\$146.80	\$100.00	. . . .
1874	1,162.29	. . . .	. . . .	237.59	2.80	\$.75
1875	1,000.00	\$1,269.96	. . . .	245.14	. . . .	. . . .
1876	. . . .	1,260.29	. . . .	216.46	. . . .	. . . .
1877	1,500.00	1,362.30	. . . .	206.18	. . . .	. . . .
1878	1,200.00	1,080.85	. . . .	224.07	. . . .	. . . .
1879	1,200.00	936.10	. . . .	260.20	. . . .	. . . .
1880	1,500.00	934.23	\$46.74	231.92	. . . .	. . . .
1881	1,200.00	927.13	29.72	205.10	. . . .	. . . .
1882	1,500.00	1,018.37	28.80	236.71	. . . .	. . . .
1883	1,500.00	1,083.63	31.30	241.56	. . . .	. . . .
1884	1,500.00	1,307.75	34.24	214.86	. . . .	. . . .
1885	2,500.00	1,402.04	37.17	150.29	. . . .	. . . .
1886	2,500.00	1,728.54	36.60	274.69	. . . .	410.93
1887	3,500.00	1,835.46	21.75	271.74	. . . .	5.00
1888	3,000.00	2,388.30	46.15	283.57	. . . .	. . . .
1889	3,000.00	2,382.90	44.05	293.76	. . . .	15.50
1890	3,000.00	2,631.12	42.30	327.91	. . . .	1.50
1891	3,000.00	2,596.68	24.12	358.06	. . . .	4.34
1892	4,000.00	1,003.97	33.90	420.13	. . . .	4.00
1893	5,500.00	3,655.64	24.00	335.06	. . . .	. . . .
1894	6,500.00	2,710.90	12.40	320.82	. . . .	. . . .
1895	6,500.00	2,693.51	61.75	148.02	. . . .	14.00
Total	\$64,639.38	\$36,209.67	\$554.99	\$5,850.64	\$102.80	\$456.02

The sums of money received from fines, and from the sales of catalogues, were not separated until the year 1880. Until that year, therefore, the amount collected by the librarian appears as a gross sum in the column of fines.

Of the \$410.93 found in the miscellaneous column for 1886, \$409.73 was "transferred from interest account," and might properly be added to the appropriation column.

It will be seen that the city has appropriated \$64,639.38 and the dog licenses, amounting to \$36,209.67, and has transferred to the library account \$409.73, making a total of \$101,258.78.

It remains only to be said that every effort has been made and will be made to make our public library helpful to the best interests of the city. Ruskin says, "Valuable books should, in a civilized country, be within the reach of every one." We cannot boast that all valuable books are in our public library, but after a careful examination, no one will dispute that from the first a most discriminating care has been exercised in the selection of books, and that for practical usefulness up to the present time, considering the facilities and resources at command, our public library, if not unsurpassed, stands among those most deserving public commendation.

CONCLUSION.

Much of what has been said may seem commonplace. Indeed, throughout this report my purpose has been only this, namely, to give a succinct and clear statement of facts, in order that the advantages and attractions, the practical worth, and possible incentive for larger life pertaining to the Public Library, may be recognized and appreciated. The people of Somerville may be justly proud of those to whom they committed the conduct of public affairs, that they have taken such broad and generous views of the educational needs, not of the present merely but of the future, and have therefore made provision, so far as this library is concerned, for many years to come. But with a due sense of the wisdom of those in authority in the city government, I am glad to acknowledge the cordial and unanimous co-operation I have had from you, gentlemen of the Board of Trustees. Your generous consideration and sympathy have many times spurred me to more active zeal and enabled me to "take arms against

a sea of trouble," or if I am not justified in using the word "trouble," I may use the word "discouragement." I am also indebted to the public at large, especially as it has been voiced by the public press. It is exceedingly gratifying to me that I have thus had to so great an extent, the approval of those in whose behalf I have sought to further the efficiency of this library. In this expression of thanks I do not forget to include those, to whom I have already made a passing allusion, who have expressed their regret on account of the closing of the library during the summer. I am glad the criticism was made, since it has given opportunity to call attention to the facts that warranted the enforced delay in opening the library, and also because it shows that the advantages of the library are so appreciated that the temporary, though necessary, closing of its doors is felt to be a misfortune.

Still further permit me to add that I have had reason for special encouragement because of the appreciation of the teachers of our public schools, who have themselves or by their pupils following their advice, expressed their sense of the helpful service the library is designed to render, by a thoughtful and extended employment of its resources. Having for so many years shared in the varied experiences of a teacher, sometimes depressed by the burden of uncongenial toil, sometimes uplifted by the enthusiasm awakened by comparative success, I rejoice that in some way, however humble, I am permitted to be of assistance to those with whom I have been a co-laborer in seeking to stimulate and direct the intelligence, the activity, the individual and social education of the generation now seeking by an honest use of present advantages to attain a future of larger influence and more commanding promise.

And now I beg to submit my report to your considerate judgment, with the hope that the improved conditions of the library may lead to an improved use of it, since I am sure it is a reservoir of power, of activity, of inspiration and of life.

Lately the report has been current that Professor Roentgen, of Wurzburg University, has developed a means of utilizing radiant heat by developing a light which is said to have remarkable power of penetration, so that the very action of the brain may be disclosed, and we may, as it were, see a man think.

Whatever of truth this may have, it cannot be disputed that there is a light, the so-called light of pure reason, the dry light of ancient

philosophy, which dissolves as in a magic solvent all things, and gives to the eye of human intelligence a collyrium that heals blindness and reveals a new glory in earth and sky. For the nourishment of such light, before which other lights shall pale their ineffectual fires, this library has been provided. May we guard it with vigilance, may its light be intensified by accumulation of power, until thinking shall be harmonious communion with truth, and life, resting upon the summit of great thoughts, be bathed in the radiance of that dry light, the light of pure reason, which shall give intellectual knowledge and wisdom.

Respectfully submitted,

JOHN S. HAYES,

Librarian.

December 30, 1895.

G

REPORT
OF THE
SOMERVILLE MYSTIC WATER
BOARD.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, February 12, 1896.

Referred to Committee on Printing, to be printed in the annual reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, February 13, 1896.

Referred to Committee on Printing, to be printed in the annual reports, in
concurrence.

CHAS. S. ROBERTSON, *Clerk.*

SOMERVILLE MYSTIC WATER BOARD, 1895.

GEORGE D. WEMYSS, *President.*

GEORGE A. KIMBALL (term expires 1897).

Residence, 33 Warren avenue.

GEORGE D. WEMYSS (term expires 1896).

Residence, 5 Austin street.

WM. FRANKLIN HALL (term expires 1895).

Residence, 345 Broadway.

CLERK OF THE WATER BOARD.

FRANK E. MERRILL.

SUPERINTENDENT OF WATER WORKS.

NATHANIEL DENNETT.

ENGINEER AT PUMPING STATION.

SIDNEY E. HAYDEN.

OFFICE OF THE WATER BOARD AND SUPERINTENDENT.

Prospect street, corner of Somerville avenue.

PUMPING STATION.

Cedar street, near Broadway.

Bills against the department should be rendered to the Clerk on or before the first day of each month, and are payable by the City Treasurer on the seventeenth of the month.

WATER BOARD.

HISTORICAL.

Nov. 5, 1867. The first committee on water was elected in town meeting to take into consideration the matter of contracting with the City of Charlestown for a supply of Mystic water.

April 13, 1868. Formation of the "Somerville Mystic Water Committee"; members elected in town meeting (Chap. 202, Acts of 1868).

Jan. 13, 1872. Formation of the "Somerville Mystic Water Board"; members elected in City Council (Chap. 182, Acts of 1871).

March 11, 1891. Members of Somerville Mystic Water Board appointed by Mayor; term of office three years, one member being appointed annually (Chap. 217, Acts of 1890).

Following are the names of all who have served on the above Committees and Boards, with length of their periods of service.

NAME.	From	To
Nathan Tufts, Jr.	Nov. 5, 1867	April 13, 1868
Aaron Sargent	Nov. 5, 1867	Jan. 13, 1872
George O. Brastow	Nov. 5, 1867	April 13, 1868
Samuel A. Carlton	Nov. 5, 1867	April 13, 1868
Christopher E. Rymes	Nov. 5, 1867	Jan. 15, 1877
Thomas Cunningham	Nov. 5, 1867	April 13, 1868
	Jan. 13, 1872	Jan. 15, 1877
Levi Russell	Nov. 5, 1867	April 13, 1868
Robert A. Vinal	April 13, 1868	Jan. 15, 1877
Reuben E. Demmon	April 13, 1868	Jan. 13, 1872
Cutler Downer	April 13, 1868	Jan. 15, 1877
Horace Haskins	Jan. 13, 1872	Jan. 24, 1877
Aaron R. Coolidge	Jan. 15, 1877	Jan. 20, 1880
	Jan. 17, 1882	Jan. 20, 1885
Edwin S. Conant	Jan. 15, 1877	Feb. 1, 1883
Edward Foote	Jan. 15, 1877	Jan. 9, 1883
Loren W. Jones	Jan. 15, 1877	Jan. 22, 1878
Cromwell G. Rowell	Jan. 29, 1877	Jan. 20, 1879
Joseph A. Chabot	Jan. 22, 1878	Jan. 20, 1879
Martin W. Carr	Jan. 20, 1879	Jan. 20, 1880
Herbert E. Hill	Jan. 20, 1879	Jan. 20, 1880
John F. Cole	Jan. 20, 1880	Jan. 17, 1882
George F. Sturtevant	Jan. 20, 1880	Jan. 17, 1882
Wesley C. Crane	Feb. 3, 1880	Jan. 9, 1883
Joseph O. Hayden	Jan. 17, 1882	Jan. 22, 1890
Walter S. Barnes	Jan. 9, 1883	Jan. 16, 1889

NAME.	From	To
James E. Whitaker	Jan. 9, 1883	Jan. 20, 1885
John F. Nickerson	Feb. 1, 1883	Jan. 20, 1885
Milo Crane	Jan. 20, 1885	Jan. 11, 1887
John M. Woods	Jan. 20, 1885	Jan. 11, 1887
Charles H. Brown	Jan. 20, 1885	Jan. 11, 1888
Richard T. Blackwell	Jan. 11, 1887	Jan. 11, 1888
John B. Viall	Jan. 11, 1887	Jan. 16, 1889
Adna C. Winning	Jan. 11, 1888	March 11, 1891
Richard Dowd	Jan. 11, 1888	Jan. 22, 1890
Walter C. Mentzer	Jan. 16, 1889	March 11, 1891
Samuel W. Holt	Jan. 16, 1889	March 11, 1891
Frank G. Lombard	Jan. 22, 1890	March 11, 1891
Frank A. Titus	Jan. 22, 1890	March 11, 1891
George D. Wemyss	March 11, 1891	Now in office.
Albion A. Perry	March 11, 1891	Feb. 8, 1893
George A. Kimball	March 11, 1891	Now in office.
Wm. Franklin Hall	Feb. 8, 1893	Now in office.

CITY OF SOMERVILLE.

OFFICE OF THE WATER BOARD, February 5, 1896.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL : —

In presenting the twenty-second annual report of the Somerville Mystic Water Board, for the year ending with the 31st of December, 1895, the Board desires to say that, in addition to the usual matters touched upon in former reports, it has endeavored to make this a more comprehensive one in respect to the different features of the water question, with a view of giving the citizens of Somerville, as well as your honorable body, a more thorough insight into the condition of this department of the city's affairs, as well as to emphasize the needs, yes, *pressing* needs, under which the department labors, and which call for consideration on the part of the City Council in order that the affairs of this important branch of the city government may be properly administered.

ORGANIZATION.

The Board organized on February 2, by re-election of George D. Wemyss as President, and Frank E. Merrill as Clerk. Nathaniel Dennett was re-elected Superintendent.

FINANCIAL CONDITION.

COST OF WATER WORKS.

The total cost of the water works on December 31, 1894, was	\$635,969.49
Expended during the year 1895 on construction account	32,007.44
Total cost December 31, 1895	<hr/> \$667,976.93

WATER DEBT.

The indebtedness of the city on account of the water works on December 31, 1894, was \$340,500; this debt has been reduced during 1895 by the payment of bonds maturing July 1 and October 1, to the amount of \$19,000, the water indebtedness being now represented by bonds drawing interest as follows:—

\$242,000.00	at 4	per cent.	per annum.
69,500.00	" 5	" " "	" " "
10,000.00	" 5½	" " "	" " "

FINANCES.

The income from water in 1895, being 50 per cent. of the amount collected by the City of Boston from sale of water in Somerville, and paid over to the City Treasurer of Somerville, was \$89,431.46

The disposition made of this income was as follows:—

Appropriated by the City Council for	
the use of the water department	\$65,000.00
Paid interest on water debt	14,250.00
Paid reduction of water debt	10,181.46
	<hr/>
	\$89,431.46

The following Table A shows the appropriation accounts in detail. This table also shows the operation of the water service department, which is self-supporting, and therefore requires no appropriation.

TABLE A.

RECEIPTS AND DISBURSEMENTS FOR THE YEAR 1895.

WATER MAINTENANCE ACCOUNT.

	Dr.	Cr.
Balance from 1894		\$ 311.01
Amount appropriated by City Council		
from water revenue		35,000.00
		<hr/>
<i>Amount carried forward</i>		<i>\$35,311.01</i>

<i>Amount brought forward</i>		\$35,311.01
Collections from sundry accounts for labor and materials		347.72
Balance from water service assessments		1,570.00
Amount transferred to extension account	\$ 1,000.00	
Labor and materials furnished sundry parties	347.72	
Labor and materials used in maintenance of water works	32,906.51	
Balance to 1896	2,974.50	
	<hr/>	<hr/>
	\$37,228.73	\$37,228.73

WATER WORKS EXTENSION ACCOUNT.

	Dr.	Cr.
Balance from 1894		\$ 1,639.27
Amount appropriated by City Council from water revenue		30,000.00
Transferred by City Council from water maintenance account		1,000.00
Collections from sundry accounts for labor and material		743.16
Labor and materials furnished sundry parties	\$ 743.16	
Labor and materials used in extension of water works	32,007.44	
Balance to 1896	631.83	
	<hr/>	<hr/>
	\$33,382.43	\$33,382.43

WATER SERVICE ACCOUNT.

	Dr.	Cr.
412 water service assessments at \$15		\$6,180.00
Collections from sundry accounts for labor and material		365.05
<i>Amount carried forward</i>		<hr/>
		\$6,545.05

<i>Amount brought forward</i> . . .		\$6,545.05
Labor and material furnished sundry parties	\$ 339.13	
Labor and material used in water service construction	4,635.92	
Balance transferred to water maintenance account	1,570.00	
	<hr/>	<hr/>
	\$6,545.05	\$6,545.05

Orders have already been placed with R. D. Wood & Co., of Philadelphia, for 375 tons of cast-iron pipe, at \$22.20 per gross ton, delivered at our pumping station. This, as well as the contract made a year ago, has been placed on very advantageous terms for the city. The amount of pipe ordered will not, however, be sufficient to do what ought to be done this year in the way of replacing the old and weak cement-lined pipe still remaining in many of the streets, but it was all that the Board felt like taking the responsibility of ordering, in view of the uncertainty as to the amount which the City Council would appropriate for its use the coming year.

This report is intended to contain a feature somewhat historical in its character, as it is the desire of the Board to give a brief sketch of the financial side of the water works of Somerville, from the first movements in 1867 and 1868 to the present time, viz. :

1. The amount of bonds issued for construction and maintenance.
2. The amount of the payments made on those bonds.
3. The cost of the water works.
4. The income derived from the sale of water to the water-takers of Somerville. At the present time, and since 1887, this is fifty per cent. of all the money collected by the City of Boston from the sale of water in Somerville.
5. The operation of the high-service pumping station, shown by a chart, which makes it very easy to see what amount of water has been distributed through that system ; also a table showing the cost of operation of the high-service system for the year 1895.

TABLE B.

YEAR.	Water Loan Bonds issued on Funded Debt Account.	Reduction of Funded Debt by payments of Water Loan Bonds.	Expenditures for Construction of Water Works.	*Revenue from Water Works.
1869	\$80,000.00		\$92,203.27	\$ 911.39
1870	60,000.00		66,546.50	1,907.63
1871	60,000.00		43,648.66	3,151.30
1872	90,000.00	\$50,000.00	43,288.33	3,719.91
1873	60,000.00	20,000.00	27,691.26	5,084.97
1874	15,000.00		34,294.06	6,818.20
1875	20,000.00		13,375.76	9,652.37
1876	70,000.00	60,000.00	6,409.49	10,268.06
1877	10,000.00		13,845.74	10,735.90
1878	30,000.00	30,000.00	514.13	11,584.89
1880	60,000.00	60,000.00	791.56	12,341.60
1881	40,000.00	40,000.00		12,999.79
1882	90,000.00	90,000.00		14,697.37
1883	7,500.00	7,500.00		19,354.28
1884	20,000.00	20,000.00		19,661.67
1885	20,000.00	20,000.00		20,085.95
1886	55,500.00	55,500.00		21,542.28
1887	9,000.00	9,000.00		21,444.91
1888	25,000.00	96,500.00	19,338.89	42,650.57
1889	90,000.00	19,000.00	81,117.43	50,419.07
1890	55,000.00	13,000.00	53,411.79	51,470.91
1891	10,000.00	†11,000.00	40,708.48	55,879.72
1892	28,000.00	28,000.00	34,863.17	60,150.80
1893		17,000.00	35,545.30	77,640.91
1894		18,000.00	28,375.67	78,459.73
1895		19,000.00	32,007.44	83,401.30
				89,431.46
	\$1,005,000.00	\$683,500.00	\$667,976.93	\$795,466.94

Total issue \$1,005,000.00

Total payments 683,500.00

Present water debt \$321,500.00

* From 1869 to 1886, inclusive, the basis of Somerville's water revenue was as follows: — The entire revenue from sale of water in Somerville was collected by the City of Boston and payments were made to this city on the following sliding scale: —

On annual receipts up to \$20,000.00, Somerville's proportion was 15 per cent.
 On annual receipts, \$20,000.00 to \$30,000.00, Somerville's proportion was 20 per cent.
 " " \$30,000.00 to \$40,000.00 " " 25 "
 " " \$40,000.00 to \$50,000.00 " " 30 "
 " " exceeding \$50,000.00, Somerville's proportion was 40 per cent.

In 1887 the contract was changed so that Somerville should receive 50 per cent. of the revenue, and this contract is still in effect.

† In 1891 \$5,000.00 of Water Loan Bonds were cancelled, City Loan Bonds being substituted for them.

It is impossible to get at the entire consumption of water in Somerville as the same source of supply is used by Chelsea and Everett, and partially by Charlestown also ; hence the only figures we can get are as to the amount of water that goes through our pumping station. This is, however, an indication of the increased demand that has been made upon the water supply, especially during the last six or seven years, since the pumping station was built.

HIGH SERVICE.

The high-service system is in excellent condition and continues to give satisfaction. A great many new buildings have been erected on the high lands of Somerville, and especially in the Spring Hill district, since the introduction of the high service. This large increase of taxable property may be directly attributed to this important branch of the water works.

The standpipe has been painted during the year, and will need recaulking in places and another coat of paint the coming spring.

The following Table shows the cost of operation of the high-service system in detail, and the Water Chart shown herewith indicates clearly the increased annual consumption due to the growth in population on the lines of the system, the area now supplied being about the same as when the system was first introduced, viz. : 309 acres, or a little more than 12 per cent. of the entire land area of the city (2,500 acres). When the Metropolitan supply is introduced, it is expected that the Clarendon Hill district will be included in the high-service system, thus taking in all the high lands in the city.

TABLE C.

HIGH SERVICE.

COST OF OPERATION AND MAINTENANCE.

Engineer's salary	\$1,100.00	
Firemen, wages	719.25	
	<hr/>	
<i>Amount carried forward</i>		\$1,819.25

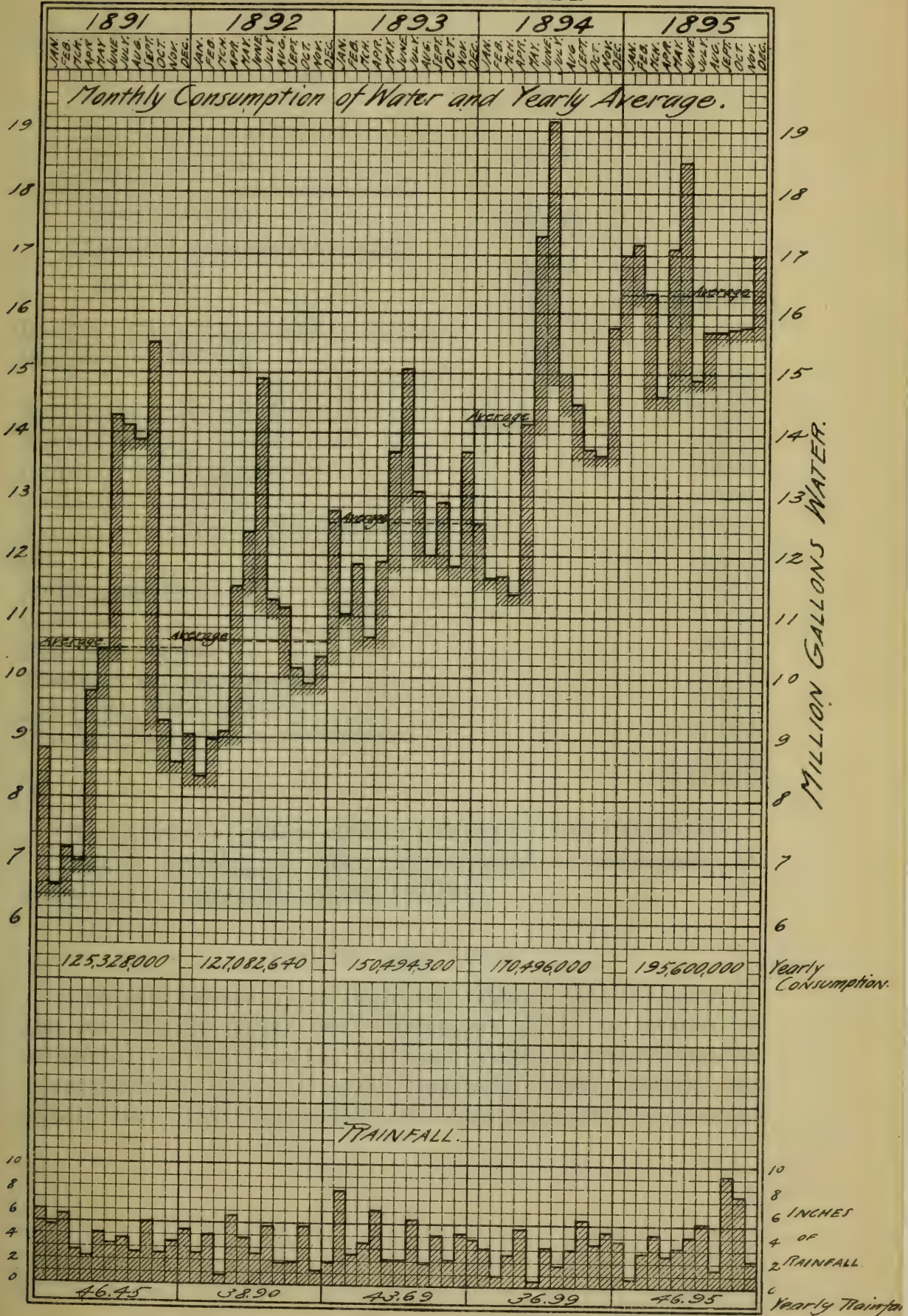
SOMERVILLE WATER WORKS.

CHART SHOWING THE CONSUMPTION OF WATER IN THE DISTRICT SUPPLIED
BY THE

SOMERVILLE HIGH SERVICE

ALSO THE

RAINFALL IN SOMERVILLE



<i>Amount brought forward</i> . . .		\$1,819.25
Fuel for boiler : —		
24,740 lbs. Cumberland coal, \$3.85 per 2,000 . . .	\$ 47.63	
224,000 lbs. Cumberland coal, \$4.20 per 2,240 . . .	420.00	
226,995 lbs. Cumberland coal, \$3.51 per 2,240 . . .	355.69	
77,100 lbs. Dominion coal, \$3.20 per 2,000 . . .	123.36	
	<hr/>	\$946.68
Insurance on pump and boiler . . .	\$67.50	
Insurance on building . . .	67.50	
	<hr/>	\$135.00
Telephone, rental and tolls . . .		104.56
Electric lighting . . .		48.00
Carpeting for pumping room . . .		49.29
Books and stationery . . .		30.50
Repairs and fittings to pump and boilers . . .		80.25
Oil . . .		19.52
Packing and waste . . .		23.49
Soda ash . . .		11.90
Tools and utensils . . .		50.17
Hardware and carpentering . . .		11.40
Ice, \$5.00 ; Polish, \$5.00 . . .		10.00
Standpipe and grounds, maintenance . . .		270.09
		<hr/>
		\$3,610.10

Total number of gallons of water pumped in 1895, 195,600,000.

Cost of pumping per 1,000 gallons, based on the expense of operating the high-service system, \$0.01845.

WATER SERVICES.

The plan adopted by the Board and referred to in the report of last year, viz.: to charge one uniform rate of \$15 in advance for all ordinary service pipes, has continued to work admirably, and has been productive of good results financially. Four hundred and twenty-nine service connections were made, but payment for some of

these was made prior to January 1st, 1895 ; hence, while the cost of laying them comes into this year, the receipt of the money from the parties for whom they were put in took place last year.

Another feature of the service department is this : the Board is making connections as fast as practicable with parties who have been taking water from Cambridge, although residing in Somerville, and thirteen houses of this description were last year connected with our own main in Medford street ; these being for the purpose of getting, as new customers for Mystic water, parties who had already once paid for their services, the connections were made free of expense to the owners.

TABLE D.
SERVICE CONSTRUCTION.

Four hundred and twenty-nine new service connections were made in 1895, divided as follows : —

Owners' applications	415
Transferred from City of Cambridge main, Medford street	13
Metropolitan Sewerage Pumping Station, 6-inch connection	1
	<hr/> 429

The following table shows the sizes and lengths laid : —

SIZE .	NUMBER.	LENGTH.
6"	1	Connection
1½"	1	28 feet
1¼"	2	73 "
1"	4	277 "
¾"	421	8,770 "
Total	429	9,148 feet

Total number of service pipes laid to January 1, 1896, 8,586.

Total length of service pipe used in making service connections, 55 miles, 2,499 feet.

SERVICE MAINTENANCE.

The following items of expense appear in the maintenance and repairs of service pipes :—

	NUMBER.	COST.
Repairing leaks on service pipes	71	\$428.45
New iron service boxes set in place of old wooden ones, decayed, etc.	80	320.00
New service gates set on old connections	22	77.00
Services cleaned of fish, etc., by forcing from houses	57	71.00
Services cleaned of sediment, etc., by digging up corpo- ration cocks	23	51.75
Service boxes brought to grade by construction of new sidewalks	74	55.50
Services lowered on account of change in grade of street	2	15.75
Services replaced at city's expense on account of defective pipe or fittings	17	300.61
Incidental expenses connected with above, fuel, plumbing, etc.		55.12
		\$1,375.18

EXTENSION OF WATER WORKS.

The past year has witnessed practically the same amount of new construction as last year, viz. : 12,162 feet, or about $2\frac{1}{3}$ miles of pipe, for the details of which reference may be had to Table E, making the total length of distribution pipe in the city Jan. 1, 1896, 72 miles, 1,269 feet.

RELAYING OR RENEWAL OF PIPES.

So much has been said in former reports regarding the bad condition of such of our works as still maintain the old cement-lined pipe, that it is difficult to approach this subject without getting more or less irritated. The past year we renewed 19,765 feet, or about $3\frac{3}{4}$ miles of this old pipe, while our new construction was, as stated, about $2\frac{1}{3}$ miles. We have now in the entire city about $52\frac{1}{2}$ miles of iron

pipe, 19½ miles of cement pipe, and the sooner the latter is replaced the better it will be for all concerned.

The record for the year is 34 bursts of these old pipes, and the amount expended for repairs, damages and settlement of claims was \$1,458.37. This does not tell the whole story either, for the safety of public and private property is continually menaced by the liability of serious conflagrations from the collapse of these weak and defective pipes at the time when they may be most needed to convey water.

In view of the nearness of the new Metropolitan Water Supply, extraordinary efforts should be made the coming two years to get rid of these old pipes, so that our works may be in good condition to take care of the new water.

In a very full and interesting report by the Water Board of Winchester, of which Mr. John R. Freeman is Secretary, the same gentleman who was selected, on account of his high qualifications as an engineer, to serve on the Metropolitan Water Board, may be found a long discussion by Mr. Freeman, of the relative merits of cast-iron and cement-lined sheet-iron pipe. It is there shown that about all the advantages are in favor of cast-iron pipe. Somerville is referred to in the discussion, as one of the places that has suffered heavily by reason of cement-lined pipe. Mr. Freeman goes into the subject very fully, but we will only quote a few of the most prominent points:

‘Cast-iron pipe can be laid cheaper than cement-lined.’

“Cast-iron pipe will stand a pressure of 300 pounds per square inch, while cement-lined sheet-iron pipe will stand about 50 pounds.

“The average leaks per year in the cement mains of Winchester, are more than are found in the cast-iron mains of all Nashua and Lowell combined.

“Charlestown was originally piped with cement-coated sheet-iron pipe; after from fifteen to twenty years the leaks became so numerous, that the whole was torn out and replaced by cast-iron pipe.”

There seems to be no good reason why these old cement-lined pipes should not be speedily replaced by iron pipes, and it is the earnest desire of the Board to accomplish this result. But to do this requires money, and here is where the shoe pinches.

The income for water for 1895, or the amount paid over to Somerville by the City of Boston, was \$89,431.46. The coming year

will undoubtedly show the same, or about the same, increase, as the past two years have shown over the preceding years, and, if so, then the amount will reach \$95,000; and, if \$80,000 should be appropriated for the use of the water department the coming year, there would still be sufficient left to pay the interest on the water debt. This would enable the work of renewal of defective pipes to be prosecuted with great advantage, and it would be a wise expenditure of money, in the opinion of the Board.

In Table F is shown the streets in which old cement pipe was replaced by cast iron, together with the number of hydrants and gates reset, with cost of the whole.

WATER SUPPLY.

Under this head, in last year's report, reference was made to the project for furnishing water from the Nashua River, advanced by the State Board of Health. The action of the Legislature has given life to the plan advocated by them, and Chap. 488 of the Acts of 1895, entitled, "An Act to provide for a Metropolitan Water Supply," was approved June 5, 1895. This practically means that the existing system of the City of Boston is to be taken by the Board which has been appointed under the Act referred to, and that it is to receive a new and increased supply of pure water from the south branch of the Nashua River, of such magnitude that it is expected there will be water enough for Boston and its suburbs for many years to come. This cannot be accomplished, however, without time and money. The Act provides that the taking of the Boston Water Supply shall be on or before January 1, 1898. Therefore, by that time it is confidently expected that Somerville will be obtaining its water from the Metropolitan Water Supply, as it is further provided in the Act that, upon that date, the contracts of the City of Boston with the cities of Somerville, Chelsea and Everett, for a supply of water shall be cancelled.

Through the courtesy of the Metropolitan Water Board and its engineers, we are enabled to give some general idea of how the new supply is to reach Somerville.

The intention is to run two forty-eight-inch mains from Chestnut Hill Reservoir north and west, which will both pass through our city. One of these, and the one which it is expected will be first laid, will

enter Somerville through Webster avenue; thence running through Union square, Walnut street, and Chauncy avenue, leaving Somerville by way of Middlesex avenue, on its way to Spot Pond, in Stoneham. The other main will enter Somerville, running through Willow avenue to Broadway, and thence to Medford, on its way also to the same place as the other. This will give us excellent results and be much better than if both mains, as was at first contemplated, ran through West Somerville on their way to Spot Pond. .

The water coming through these mains will be under practically the same pressure as at present, as it will all be raised by the pumps at Chestnut Hill Reservoir, so that it will flow by gravitation to Spot Pond, where it will be at about the same elevation as in the present distributing reservoir on College Hill.

The distance from Chestnut Hill Reservoir to Somerville, by the first line, is a little over six miles, and by the latter line a little less than six miles; this gives some idea of the amount of labor that must be performed in laying twelve miles of forty-eight-inch pipe. Both these lines must cross the Charles River, besides having to contend with all the other difficulties which are incident to underground construction. The pipe is contracted for to build the first line, and we are assured by the Metropolitan Water Board that the work will be pushed vigorously, with a view of giving us the benefit of the new supply at the earliest possible time.

It is expected that connections may be made with these mains at Union square, Pearl street, Broadway and Mystic avenue on the first line, and at Elm street and Broadway, near Powder House park, for the second line.

A reservoir is to be built in Middlesex Fells, near Spot Pond, in connection with a pumping station at that point. This reservoir will be at such a height as to provide a high service wherever needed in our city, thus doing away with our pumping station which at present performs that work. The standpipe, however, may be utilized, as it will give a convenient storage capacity for water, which in case of fires or other contingencies might become very convenient. The reservoir in the Fells will be at such a height as to keep our standpipe full, hence there will be no expense attending the use of it, excepting such repairs as may be needed from time to time, and a coat of paint now and then.

It is certainly very gratifying to be enabled to present such a

pleasing prospect for the city of Somerville as is furnished by the Metropolitan Water Supply, and now that the obtaining of the new supply is no longer a matter for speculation, there is certainly good reason for rejoicing over the consummation of the long-cherished hope for better water for Somerville.

In this connection it would be an omission well-nigh inexcusable should the Board fail to recognize the invaluable services of our City Solicitor, Hon. Selwyn Z. Bowman. The citizens of Somerville certainly owe him a debt of gratitude for his labors in their behalf during the session of the Legislature of 1895, when the "Bill" was under consideration for taking the Nashua River water.

EXTRACT FROM THE REPORT OF THE METROPOLITAN WATER BOARD.

Although the report has not as yet been printed, we have been furnished with the following extract, which is of special interest to the citizens of Somerville:—

"It has been the aim of the Board to push forward with especial rapidity the building of the aqueduct from the proposed dam at Clinton to the new Basin, No. 5, of the Sudbury system, the enlargement of the pumping station at Chestnut Hill, and the laying of main pipes from the Chestnut Hill pumping station to connect with the present Mystic System and Spot Pond.

"The necessary surveys and investigations preliminary to entering upon the construction of the Nashua-Sudbury Aqueduct have been substantially completed, the route definitely fixed, the specifications for the building of a tunnel (which will require the longest time for completion) have been prepared, and it is expected that proposals for constructing different sections of the tunnel will be called for in the month of January, and the building of the tunnel be begun in the succeeding month. Contracts for the masonry portions of the aqueduct will soon follow.

"The surveys for fixing a route for the main pipe line from the Chestnut Hill pumping station to Spot Pond and the Mystic System have been made, investigations made of the various streets and localities through which the pipe is to be laid, and contracts for furnishing seven miles of pipe have just been awarded. The suc-

cessful bidders were R. D. Wood & Co. of Philadelphia, whose proposals were to furnish the 12,500 tons of forty-eight-inch pipes and castings called for at a uniform price of \$21.40 per ton of 2,000 pounds each.

“Plans and specifications for pumping stations and for the masonry bridge across the Assabet River are in progress.

“It is anticipated that the Nashua-Sudbury Aqueduct will be completed and one main pipe laid to the Mystic System and Spot Pond within the period of two years, so that at the end of that period, without waiting for the completion of the dam at Clinton, the waters of the south branch of the Nashua River may be diverted, conducted to the new reservoir in Southborough, afforded a sufficient storage there, and thence furnished to those portions of the Metropolitan district which seem in most pressing need of an additional supply of water.”

PURIFICATION OF THE MYSTIC SUPPLY.

It is with great satisfaction that we are enabled to speak a word in commendation of the efforts which have been made, and which have been in large measure successful, towards purifying the watershed of the Mystic System. Through the courtesy of the Water Commissioner of Boston we have a report from the office of the Inspector of Water Sources, Mystic Division, which it is a great pleasure for us to present, and which encourages us to think better of our present water supply than formerly.

REPORT OF MR. JOHN S. CONCANNON, CHIEF INSPECTOR, MYSTIC DIVISION, BOSTON WATER WORKS.

“Never since the use of the Mystic water as a domestic supply has so much attention been paid to its protection from dangerous impurities. Woburn was the greatest source of pollution. During this year eleven miles of local sewer was built, and the Woburn officials have earnestly and honestly enforced all laws tending to protect the purity of the Mystic water.

“As Woburn is now completely organized for sewer work it is but reasonable to expect excellent results for the year 1896.

“The largest single case on the supply was the glue works, which discharged over 222,000 gallons daily; this is now connected with the sewer and is remedied.

“Stoneham has been slow in adopting a system of sewers, but with the exception of some perfecting State legislation all things are ready for construction during the year 1896.

“Winchester has now over ten miles of local sewers, and the work of connecting all houses on the line of the sewer has been reasonably advanced.

“Total number of cases, including suspected ones, 641.

“These are divided:

Present safe	.	.	.	.	.	.	.	.	.	437
Remedied	.	.	.	.	.	.	.	.	.	63
Seem safe	.	.	.	.	.	.	.	.	.	53
Suspected	.	.	.	.	.	.	.	.	.	34
Unsatisfactory	.	.	.	.	.	.	.	.	.	54

“The difference between the ‘present safe’ and ‘seem safe’ is that in the ‘present safe’ the Inspector can examine all the surroundings and knows positively what he asserts; in ‘seem safe’ cases, where there *may be* hidden facts, this term is used.

“Most cases reported remedied have been connected with the various sewer systems. Of the remedied cases 15 were buildings taken for a public park in Winchester.

“There is even now a very noticeable improvement in the quality of the water as shown by analysis.”

Reference is asked to the Superintendent’s report, and the detailed and tabulated statements presented herewith, showing work performed, together with statistics of interest and importance regarding the condition of the works.

GEORGE A. KIMBALL,

GEORGE D. WEMYSS,

WM. FRANKLIN HALL,

Somerville Mystic Water Board.

REPORT OF THE SUPERINTENDENT.

TO THE SOMERVILLE MYSTIC WATER BOARD:—

Gentlemen,—In submitting his annual report the Superintendent would ask reference to the tables compiled and presented herewith, showing details of the work performed in this department during the year 1895. These tables show the location, size and number of feet of pipe constructed and renewed; the number and location of hydrants set and removed; the location of all hydrants in use December 31, 1895; the number and location of gates set and removed; the number and location of water posts; the number, size and length of service pipes laid in 1895, with details of repairs made on old services, and other tables of information regarding the operation of the works.

HIGH SERVICE.

The high service continues to give entire satisfaction; the stand-pipe received two coats of paint early in the summer, and I would recommend that another be applied in the coming spring.

DISTRIBUTION MAINS.

A large amount of work has been done toward completing the relaying of the water works distribution system with iron pipes, but there are still many miles of cement mains in our streets which should be at once removed. Two miles, 1,602 feet, of pipe were laid on construction account, and 3 miles, 3,925 feet, of old cement pipe were replaced with cast-iron of larger dimension.

The total length of distribution pipes now in the city is 72 miles, 1,269 feet, consisting of 19 miles, 3,271 feet, of cement-lined pipe, and 52 miles, 3,278 feet, of cast-iron pipe.

All hydrants and drinking fountains have been carefully inspected, and repairs have been made wherever found necessary.

Respectfully submitted,

NATHANIEL DENNETT,
Superintendent.

SHOWING THE LOCATION OF NEW MAINS LAID, NUMBER OF GATES AND HYDRANTS SET, COST, ETC., ETC. — 1895.

NAME.	FROM	TO	PIPE LAID.		GATES SET.		HYDRANTS SET.		BLOW-OFFS.		WATER-POSTS.	NET COST.
			Size.	No. Feet.	Size.	No.	Kind.	No.	Size.	No.		
Albion st.	Water-Post connection	636 feet W. from School st. Connection with Summer st.	2"	27	2"	1	P. & C.	1			1	\$ 41.03
Austin st.	Hydrant connection		6"	6								45.77
Avon st.	287 feet E. from Central st.		10"	446								585.88
Banks st.	Dead end		8"	535	8"	1	Holyoke.	1				576.36
"	Hydrant connections		6"	7			P. & C.					
Beacon st.	"		6"	45			Holyoke.	3				137.04
Bond st.	Line gate		2"	26	6"	1						28.95
Boston st.	Water-Post connection		2"		2"	1					1	35.63
Broadway	12 feet W. from Irving st.		Connection with Billingham st. } " Elm st. }	12"	1,155	12"	2	Holyoke.	2			2,157.05
"	110 feet E. from Billingham st.			6"	22	8"	1					
"	Hydrant connections				12"	3	Holyoke.	5			124.50	
"	Line gate (near West st.)						Holyoke.	1			245.56	
"	(Ward 1)					8"	1	Holyoke.	2		203.77	
"	Hydrant connections					6"	1	Holyoke.	2		47.50	
Browning road	Sycamore st.	Dead end	6"	90	6"	1					302.82	
"	Hydrant connection	Connection with Summer st.	6"	306	6"	1	Holyoke.	1				73.04
Burnside ave.	Hydrant connection		6"	6	8"	1	Holyoke.	2			213.82	
Chandler st.	Connection with	Broadway	6"	13	6"	1	Holyoke.	1				43.70
Cherry st.	Dead end	Connection with Highland ave.	8"	38	8"	1					58.94	
"	Hydrant connection		6"	146	8"	1	Holyoke.	1			32.53	
Church st.	"		6"	7							137.25	
College ave.	Professors' row, west	Professors' row, east	8"	6	2"		Holyoke.	2				660.08
Columbus ave.	Water-Post connection		2"	60	2"	1	Holyoke.	1			54.15	
Craigie st. court	Craigie st.	Dead end	6"	2	6"	1					16.60	
Crocker st.	Highland ave.	"	8"	170	8"	1					267.35	
"	Hydrant connection		6"	569							78.91	
Cross st.	"		6"	13	6"	1	Holyoke.	1				
Derby st.	Line gate	Dead end	6"	6	6"	1	Holyoke.	2				
Dresden circle	Wheatland st.	"	6"	360	6"	2						
	Cutter ave.		4"	158	4"	1						

TABLE E. — Continued.

[illegible]

TABLE E. — Concluded.

NAME.	FROM	To	PIPE LAID.		GATES SET.		HYDRANTS SET.		BLOW-OFFS.		WATER-POSTS.	NET COST.
			Size.	No. Feet.	Size.	No.	Kind.	No.	Size.	No.		
Village st.	Street gate	Connection with Broadway.	8"	23	6"	1						\$ 18.00
Wallace st.	Dead end		2"	105								26.42
Warren st.	Medford st.	Dead end.	3"	5	3"	1			4"	1		69.35
Waverly st.	Blow-off connection		6"	5	4"	1						26.30
Webster ave.	Water-Post connection		2"	27	2"	1						37.58
West st.	Dead end	Connection with Broadway.	6"	230	6"	1						281.95
"	Hydrant connection		6"	5			Holyoke.	1				
Westwood road	Central st.	Dead end.	8"	523	8"	2						637.88
"	Hydrant connection		6"	13			Holyoke.	2				83.00
Willow ave.	Line gate		6"	28	12"	2	P. & C.					120.18
Winslow ave.	Hydrant connections		3/4"	24			Holyoke.	2				9.20
York terrace.	Dead end	Easterly.										
				12,162		62		49		4	6	

TABLE F.

LOCATION AND LENGTH OF PIPE RELAID, GATES AND HYDRANTS RESET, COST, ETC., 1895.

STREET	FROM	TO	MAIN PIPE.			GATES.				HYDRANTS.			NET COST.	
			Size.		Length in feet.	Aband.		Reset.		Aband.		Reset.		
			Aband.	Relaid.		Size.	No.	Size.	No.	Kind.	No.	Kind.		No.
Austin st. Autumn st.	Connection with "	Broadway. "	6" 4"	8" 6" 6"	70 33 6 }	6" 4"	1 1	8" 6"	1 1				\$ 74.28 44.22	
Avon st. Beacon st.	School st. Dickinson st.	Westerly. Washington st.	4" 6"	10" 12"	636 1,875	6" 4"	2	12"	1				938.99	
Beacon place Broadway	Hydrant connections Connection with Charlestown line	Beacon st. Marshall st.	4" 4"	6" 6"	15 20	4" 8"	1 5	6" 12"	1 5			Bigelow.	2,985.23 30.38	
Broadway place Church st.	Hydrant connections Connection with Somerville ave.	Broadway. Summer st.	4" & 6" 3"	6" 4"	125 33	3" 4"	1	4"	1				8,259.04 28.79	
Concord ave.	Connection with "	Beacon st.	4" 4"	6" 12"	616 24	4" 4"	1	12"	1				435.52	
Cooney st.	"	"	4" 6"	8" 6"	45 18	4" 6"	1	8"	1				73.92	
Cutter st.	"	Broadway.	6"	6"	18	8"	1	10"	1				58.57	
Dickinson st.	"	Beacon st.	4" 4"	10" 6"	30 285	4" 4"	1	6"	1				20.96	
Ellsworth st.	Cross st.	Rush st.	4" 4"	6" 6"	874	4" 4"	2	6"	2				53.75	
Everett ave.	"	Dana st.	4" 4"	8" 6"	444	4" 4"	1	8"	1			B. M. B. M.	321.48 844.04	
Evergreen ave.	Marshall st. Hydrant connections	School st.	4" 4"	6" 6"	8	4" 4"	1	6"	1				479.34	
Fountain ave.	Cross st.	Easterly to connection	4" 4"	6" 6"	357	4" 4"	1	6"	1				286.40	
Florence st.	Washington st.	Pearl st.	6" 4"	8" 6"	860	6" 4"	1	8"	1				1,064.18	
George st.	Connection with "	Broadway. "	4" 6"	6" 6"	33 33	4" 4"	1	6"	1				37.67	
Glen st.	"	"	6" 6"	6" 6"	33 10	4" 4"	1	6"	1				50.52	
Hathorn st.	Temple st.	Bond st.	3" 4"	8" 6"	1,075 223	3" 4"	2	8"	2				14.89	
Heath st.	Bonner ave.	Westerly to dead end.	4" 4"	6" 6"	17	4" 4"	1	6"	1				1,453.11	
Homer square Jenny Lind ave.	Connection with Kent st.	Vernon st.	4" 4"	6" 6"	298	4" 4"	1	6"	1				166.79	
Kent court	"	Westerly to blow-off.	4"	6"	9	4"	1	6"	1				30.18	
Kent st.	So. line F. R. R.		6"	12"	410	6"	1	12"	1				309.53	
Lincoln st.	Connection with "	Beacon st.	8" 6"	10" 6"	33	6" 4"	1	10"	1				536.41	
Marshall st.	"	Broadway.	6" 4"	10" 6"	14	6" 4"	1	6"	1				19.34	
Miller st.	"	"	4" 6"	6" 6"	255	4" 4"	1	6"	1				69.99	
Mystic ave.	Opposite coal wharf	Sacramento st.	6"	6"	33	6"	1	6"	1				26.78	
Mt. Pleasant st.	Connection with	Westerly. Broadway.	6"	6"	33	6"	1	6"	1				192.16 25.93	

TABLE F. — *Concluded.*
LOCATION AND LENGTH OF PIPE RELAID, GATES AND HYDRANTS RESET, COST, ETC., 1895.

STREET.	FROM	TO	MAIN PIPE.			GATES.				HYDRANTS.				NET COST.
			SIZE.		Length in feet.	Aband.		Reset.		Aband.		Reset.		
			Aband.	Relaid.		Size.	No.	Size.	No.	Kind.	No.	Kind.	No.	
Mt. Vernon st.	Connection with	Broadway.	6"	10"	11									19.72
Nevada ave.	Hanson st.	Village st.	3"	6"	269									188.52
Otis st.	Cross st.	Dana st.	4"	8"	885	4"	2	8"						924.78
Rush st.	Connection with	Broadway.	4"	6"	33	4"	1	6"						52.02
Sacramento st.	Somerville ave.	Beacon st.	6"	12"	406									571.50
Sargent ave.	Connection with	Broadway.	4"	6"	33	4"	1	6"						36.72
Skehan st.	Hanson st.	Dane st.	4"	6"	312	4"	1	6"						215.96
Smith ave.	Connection with	Beacon st.	4"	6"	45	4"	1	6"						46.08
Spring st.	Beech st.	Summer st.	4"	6"	765	4"	2	6"						746.61
Summer st.	Willow ave.	Cutter ave.	6"	10"	869									1,024.11
Union st.	Connection with	Broadway.	6"	12"	76	4"	1	12"						137.36
Vernon st.	Jenny Lind ave.	Central st.	4"	10"	816	4"	2	10"						1,248.71
Village st.	Hanson st.	Dane st.	4"	6"	374									249.31
Waverly st.	Washington st.	Southerly to blow-off.	2"	6"	168									178.28
Willow ave.	Highland ave.	Northerly to Dead end.	6"	12"	986									1,347.96
					19,765		40						5	

TABLE G.

HYDRANTS.—EXTENSION.

New hydrants have been set in the following locations : —

Austin street, corner of Broadway, 6-inch P. & C.
 Banks street, 310 feet south from Summer street, 6-inch Holyoke.
 Beacon street, corner Concord avenue, 6-inch Chapman.
 Beacon street, opposite Cooney street, 6-inch P. & C.
 Beacon street, 35 feet east from Washington street, 6-inch Holyoke.
 Broadway, corner of Rush street, 6-inch Holyoke.
 Broadway, corner of Autumn street, 6-inch Holyoke.
 Broadway, corner of Montgomery avenue, 6-inch Holyoke.
 Broadway, corner of Sargent avenue, 6-inch Holyoke.
 Broadway, 117 feet east from Marshall street, 6-inch Holyoke.
 Broadway, 172 feet west from Elm street, 6-inch Holyoke.
 Broadway, west corner Billingham street, 6-inch Holyoke.
 Browning road, 302 feet west from Sycamore street, 6-inch Holyoke.
 Burnside avenue, 259 feet north from Elm street, 6-inch Holyoke.
 Burnside avenue, 120 feet south from Summer street, 6-inch Holyoke.
 Cherry street, 26 feet south from Highland avenue, 6-inch Holyoke.
 Church street, 29 feet north from Somerville avenue, 6-inch Holyoke.
 Crocker street, corner of Highland avenue, 6-inch Holyoke.
 Crocker street, corner of Crown street, 6-inch Holyoke.
 Cross street, opposite Chester avenue, 6-inch Holyoke.
 Edmunds street, 15 feet south from Broadway, 6-inch P. & C.
 Ellsworth street, corner of Rush street, 6-inch P. & C.
 Everett avenue, corner of Cross street, 6-inch Holyoke.
 Everett avenue, 449 feet west from Cross street, 6-inch Holyoke.
 Fenwick street, 40 feet north from Broadway, 6-inch Holyoke.
 Florence street, corner of Pearl street, 6-inch Chapman.
 Fosket street, west corner of State avenue, 6-inch Holyoke.
 Glen street, corner of Fountain avenue, 6-inch Holyoke.
 Grant street, corner of Derby street, 6-inch Holyoke.
 Harrison street, corner of Elmwood street, 6-inch Holyoke.
 Heath street, corner of Temple street, 6-inch Holyoke.
 Heath street, east corner of Fenwick street, 6-inch Holyoke.
 Kensington avenue, corner of Broadway, 6-inch Holyoke.
 Lexington avenue, corner of Fanning avenue, 6-inch Holyoke.
 Otis street, 440 feet west from Cross street, 6-inch Holyoke.
 Partridge avenue, corner of Broadway, 6-inch Holyoke.
 Professors' row, 277 feet east from College avenue, 6-inch Holyoke.

Skehan street, 110 feet east from Hanson street, 6-inch Holyoke.
Spring street, 184 feet north from Beech street, 6-inch Holyoke.
Summer street, opposite Elston street, 4-inch B. M.
Union street, corner of Broadway, 6-inch P. & C.
Vernon street, east corner of Miner street, 6-inch Holyoke.
Vernon street, corner of Bartlett street, 6-inch Holyoke.
West street, corner of Broadway, 6-inch Holyoke.
Westwood road, 90 feet west from Central street, 6-inch Holyoke.
Westwood road, 58 feet east from Benton avenue, 6-inch P. & C.
Winslow avenue, 150 feet east from Elm street, 6-inch Holyoke.
Winslow avenue, corner of Grove street, 6-inch Holyoke.

One 6-inch Holyoke hydrant has been set for the Metropolitan Sewerage Commissioners at their pumping station at Alewife Brook for fire protection.

TABLE H.

HYDRANTS.—MAINTENANCE.

The following changes have been made in the kind and location of hydrants :—

Beacon street, 4-inch Bigelow, set opposite Smith avenue, to replace 4-inch Bigelow, removed from 245 feet east from Washington street.

Broadway, 6-inch P. & C. hydrant, set on east corner of Glen street, to replace 4-inch B. M. hydrant, removed from west corner of Glen street.

Broadway, 6-inch P. & C. hydrant, set on west corner of Melvin street, to replace 4-inch B. M. hydrant, removed from same location.

Charles street, 6-inch Holyoke hydrant, set in place of 4-inch B. M. hydrant, removed from same location.

Everett avenue, 4-inch B. M. hydrant, set on corner of Dana street, to replace 4-inch B. M. hydrant, removed from 184 feet east from Dana street.

Evergreen avenue, 6-inch Holyoke hydrant, set 8 feet east from School street, to replace 4-inch Bigelow hydrant, removed from same location.

Fairmount avenue, 6-inch Holyoke hydrant, set in place of 4-inch B. M. hydrant, removed from same location.

Kent court, 6-inch Holyoke hydrant, set 205 feet west from Kent street, to replace 4-inch Coffin hydrant, removed from 271 feet west from Kent street.

Lake street, 6-inch Holyoke hydrant, set 205 feet west from Hawkins street, to replace 4-inch B. M. hydrant, removed from same location.

Mondamin court, 6-inch Holyoke hydrant, set at junction with Harrison street, to replace 4-inch B. M. hydrant, removed from same location.

Oliver street, 6-inch P. & C. hydrant, set on corner of Glen street, to replace 4-inch B. M. hydrant, removed from same location.

TABLE I.
RECAPITULATION.

Number of public hydrants set in 1895	59	
“ “ private “ “ “ “	1	
	—	
Total number of hydrants set in 1895		60
Number of public hydrants removed in 1895		11
Net increase in number of public hydrants, 1895	48	
“ “ “ “ “ private “ “	1	
	—	
Total net increase in number of hydrants “		49
Total number of public hydrants in the city	656	
“ “ “ private “ “ “ “	36	
Total number of all hydrants in the city January 1, 1896		691

One hundred and six of these are on the high service.

TABLE J.
LOCATION OF HYDRANTS, DECEMBER 31, 1885.

Adams street, corner of Broadway.	Avon street, 233 feet east from Central street.
Adams street, 240 feet south of Broadway.	Avon street, 585 feet west of School street.
Adams street, 300 feet north of Medford street.	Banks street, 310 feet south from Summer street.
Adams street, 10 feet north from Medford street.	Bartlett street, 230 feet south from Broadway.
Adrian street, 106 feet east of Marion street.	Bartlett street, 15 feet south from Ames street.
Adrian street, 220 feet south of Joseph street.	Bartlett street, 10 feet south from Robinson street.
Allen street, 9 feet north of Charlestown street.	Beacon street, 300 feet east of west end of street.
Albion street, 78 feet west of Central street.	Beacon street, 84 feet east of Harris street.
Albion street, 312 feet west of Central street.	Beacon street, 46 feet west of Sacramento street.
Albion street, 234 feet east of Lowell street.	Beacon street, 15 feet west of Kent street.
Albion street, 421 feet east of Cedar street.	Beacon street, corner of Ivaloo street.
Aldersey street, 200 feet west of Walnut street.	Beacon street, 72 feet east of Park street.
Alpine street, 280 feet east of Cedar street.	Beacon street, 22 feet east of Durham street.
Alpine street, 670 feet east of Cedar street.	Beacon street, 35 feet east of Washington street.
Allston street, 12 feet west of Shawmut place.	Beacon street, 219 feet west of Cooney street.
Ames street, 133 feet west from Central street.	Beacon street, opposite Cooney street.
Appleton street, corner of Clifton street.	Beacon street, 222 feet west of Buckingham street.
Appleton street, 39 feet west of Willow avenue.	Beacon street, corner Concord avenue.
Arthur street, 29 feet south of Broadway.	Beech street, 4 feet south from Atherton street.
Auburn avenue, 519 feet west of Cross street.	Beech street, 31 feet east from Spring street.
Austin street, 82 feet south of Mystic avenue.	Belmont street, 554 feet south of Highland avenue.
Austin street, 66 feet north of Benedict street.	Belmont street, 228 feet north of Pitman street.
Austin street, corner of Broadway.	

TABLE J.

LOCATION OF HYDRANTS, DECEMBER 31, 1895. — *Continued.*

Belmont street, 255 feet north of Summer street.	Broadway, corner Rush street.
Benedict street, 34 feet east of Mystic street.	Broadway, 15 feet west of Cross street.
Berkeley street, 8 feet east of Central street.	Broadway, corner Autumn street.
Berkeley street, 213 feet east of Hersey street.	Broadway, corner Montgomery avenue.
Berkeley street, 28 feet west of School street.	Broadway, 33 feet west of Walnut street.
Berkeley street, 212 feet west of Hersey street.	Broadway, corner Sargent avenue.
Billingham street, 129 feet north of William street.	Broadway, corner Melvin street.
Bonair street, opposite Autumn street.	Broadway, 174 feet west of Grant street.
Bonair street, 62 feet east of Walnut street.	Broadway, 117 feet east from Marshall street.
Bonner avenue, opposite Homer square.	Broadway, opposite Marshall street.
Boston street, 90 feet west of Bigelow street.	Broadway, corner of School street.
Boston street, 213 feet east of Bigelow street.	Broadway, opposite School street.
Boston street, 4 feet north of High street.	Broadway, corner of Thurston street.
Bow street, 125 feet west of Union square.	Broadway, 240 feet east of Central street.
Bow street, junction of Summer street.	Broadway, 13 feet west of Norwood avenue.
Bow street, opposite Bow street place.	Broadway, 324 feet west of Hinckley street.
Bowdoin street, 68 feet north of Fremont avenue.	Broadway, 424 feet west of Hinckley street.
Bradley street, 26 feet south from Veazie street.	Broadway, opposite Cedar street.
Brastow avenue, 200 feet east of Porter street.	Broadway, 180 feet west of Wilson avenue.
Broadway, 50 feet east of Mount Pleasant street.	Broadway, 172 feet west from Elm street.
Broadway, 28 feet west of George street.	Broadway, corner Billingham street.
Broadway, 21 feet west of Broadway place.	Broadway, 40 feet west of Packard avenue.
Broadway, corner of Glen street.	Broadway, 180 feet east of Endicott avenue.

TABLE J.
LOCATION OF HYDRANTS, DECEMBER 31, 1895. — *Continued.*

Broadway, 175 feet east of North street.	Central street, 75 feet south of Broadway.
Broadway, 415 feet west of North street.	Central street, 6 feet north of Forster street.
Broadway, east corner of Mt. Vernon street.	Central street, 9 feet north of Vernon street.
Broadway, west corner of Franklin street.	Central street, 200 feet south of Vernon street.
Brook street, 18 feet west of Rush street.	Central street, 8 feet north of Albion street.
Browning road, 302 feet west from Sycamore street.	Central street, corner of Summer street.
Buckingham street, west corner of Dimick street.	Chandler street, 16 feet south of Broadway.
Burnside avenue, 259 feet north from Elm street.	Chandler street, 216 feet north of Park avenue.
Burnside avenue, 120 feet south from Summer street.	Charles street, 183 feet south of Washington street.
Bennett street, 150 feet east of Prospect street.	Charnwood road, 100 feet east of Gordon road.
Cameron avenue, opposite Mead street.	Chauncey avenue, 9 feet north of Jaques street.
Cameron avenue, 438 feet south of Mead street.	Cherry street, 26 feet south from Highland avenue.
Campbell park, 255 feet west of Meacham street.	Chester street, 15 feet north of Chester place.
Cedar street, 289 feet north of Elm street.	Chestnut street, 538 feet south of Poplar street.
Cedar street, 90 feet north of Sartwell avenue.	Chestnut street, 246 feet south of Poplar street.
Cedar street, 50 feet north of Hall street.	Church street, 9 feet south of Summer street.
Cedar street, 14 feet north of Highland avenue.	Church street, 327 feet south of Summer street.
Cedar street, 14 feet north of Albion street.	Church street, 29 feet north from Somerville avenue.
Cedar street, 124 feet south of Warwick street.	Church street, 16 feet south of Somerville avenue.
Cedar street, 50 feet north of Clyde street.	City stables, east end of yard.
Cedar street, 24 feet south of Murdock street.	Claremont street, 252 feet south from Holland street.
Cedar street, 270 feet south of Broadway.	Clarendon avenue, at Cambridge City ledge (south side).
	Clark street, 200 feet west of Newton street.

TABLE J.
LOCATION OF HYDRANTS, DECEMBER 31, 1895. — *Continued.*

Clyde street, south corner of Murdoch street.	Curtis street, opposite Raymond avenue.
Columbus avenue, 150 feet east of Bonner avenue.	Curtis street, 100 feet north of Fairmount avenue.
Columbus avenue, 123 feet west of Bonner avenue.	Cutter square, north side.
Columbus avenue, 35 feet west of Stone avenue.	Cutter street, 290 feet south of Broadway (south line).
Columbus avenue, 8 feet east of Walnut street.	
Concord avenue, 90 feet east of Concord square.	Dane street, 9 feet north of Tyler street.
Concord avenue, opposite Knapp Schoolhouse.	Dane street, 112 feet south of Skehan street.
Concord avenue, 30 feet east of Springfield street.	Dane street, 55 feet north of Skehan street.
Concord avenue, 20 feet east of Wyatt street.	Dane court, 510 feet east of Dane street.
Conwell avenue, 465 feet west of Curtis street.	Dartmouth street, 312 feet south of Broadway.
Cook street, 74 feet north from Wyatt street.	Dartmouth street, 57 feet south of Evergreen avenue.
Cottage avenue, 150 feet east of Russell street.	Dartmouth street, 180 feet north of Medford street.
Craigie street, 216 feet south from Summer street.	Day street, 3 feet south of Davis square.
Craigie street, 555 feet south of Summer street.	Day street, 100 feet south of Herbert street.
Craigie street, 126 feet north from Somerville avenue.	Day street, corner of Orchard street.
Crescent street, opposite Hadley street.	Dell street, 275 feet west of Glen street.
Crocker street, corner Highland avenue.	Delaware street, 270 feet east of Aldrich street.
Crocker street, corner Crown street.	Derby street, 399 feet east of Temple street.
Cross street, corner of Otis street.	Dickinson street, 12 feet east of Beacon street.
Cross street, corner of Pearl street.	Dover street, 205 feet south of Davis square.
Cross street, 16 feet north of Gilman street.	Dover street, 129 feet south of Glover circle.
Cross street, opposite Chester avenue.	Dover street, 3 feet north of Orchard street.
Curtis street, 146 feet north of Professors' row.	Durham street, 54 feet south of Hanson street.

TABLE J.
LOCATION OF HYDRANTS, DECEMBER 31, 1895.—*Continued.*

Edmunds street, 15 feet south from Broadway.	Eliot street, corner of Park street.
Ellsworth street, corner of Rush street.	Endicott avenue, 430 feet south of Broadway.
Elm street, 56 feet west of Craigie street.	Evergreen avenue, 8 feet east of School street.
Elm street, west corner of Porter street.	Everett avenue, corner Cross street.
Elm street, 28 feet east from Linden avenue.	Everett avenue, 200 feet east of Dana street.
Elm street, 11 feet east from Mossland street.	Everett avenue, 449 feet west from Cross street.
Elm street, 9 feet west of Cedar street.	Everett street, opposite Emerson street.
Elm street, 153 feet east from Cherry street.	Fairmount avenue, 590 feet west of Curtis street.
Elm street, 110 feet west of Cherry street.	Farragut avenue, 258 feet south of Broadway.
Elm street, 14 feet east from Burnside avenue.	Farragut avenue, 550 feet south of Broadway.
Elm street, 101 feet east of Willow avenue.	Fenwick street, 40 feet north from Broadway.
Elm street, east corner of St. James avenue.	Fiske avenue, 126 feet east of Hinckley street.
Elm street, west corner of Elston street.	Fitchburg street, 400 feet east of Linwood street.
Elm street, opposite Tenney street.	Flint street, 18 feet east of Flint avenue.
Elm street, 25 feet west of Russell street.	Florence street, 222 feet south of Perkins street.
Elm street, 18 feet west of Grove street.	Florence street, corner Pearl street.
Elm street, 86 feet west of Chester street.	Florence street, 486 feet north of Washington street.
Elm street, 10 feet north of Winter street.	Forster street, opposite Tennyson street.
Elm street, 6 feet south of Morrison street.	Fosket street, corner State avenue.
Elm street, 69 feet south of William street.	Francesca avenue, 305 feet east of Elm street.
Elm street, opposite Kenwood street.	Francesca avenue, 7 feet west of Liberty avenue.
Elm street, corner of Broadway.	Franklin street, 14 feet north of Arlington street.
Elmwood street, 450 feet south of Holland street.	

TABLE J.
LOCATION OF HYDRANTS, DECEMBER 31, 1895.—*Continued.*

Franklin street, 80 feet south of Webster street.	Grant street, corner of Derby street.
Franklin street, 165 feet south of Pearl street.	Greene street, 200 feet south of Summer street.
Franklin street, 87 feet south of Oliver street.	Greenville street, 148 feet north of Boston street.
Franklin street, 96 feet south of Palmer avenue.	Greenville street, 33 feet north of High street.
Franklin street, 29 feet north of Washington street.	Hall avenue, 200 feet east of Elm street.
Fremont street, 86 feet north of Main street.	Hall avenue, 306 feet west from Liberty avenue.
Fremont street, 350 feet north of Main street.	Hamlet street, 321 feet south of Highland avenue.
Fremont street, 285 feet north from Meacham street.	Hammond street, 30 feet west of Dickinson street.
Frost avenue, opposite American Tube Works.	Hancock street, 258 feet south of Summer street.
Fountain avenue, 280 feet west of Glen street.	Hanson street, 40 feet north of Skehan street.
Garden court, 475 feet south of Somerville avenue.	Harvard street, 13 feet north of Beech street.
Gibbens street, 206 feet west of Central street.	Harvard street, 23 feet north from Harvard place.
Gibbens street, 129 feet west of Benton avenue.	Harrison street, 100 feet east of Kent street.
Gilman street, 240 feet east of Walnut street.	Harrison street (Ward 4), corner Elmwood street.
Gilman square (southeast side).	Hawkins street, 50 feet east of Lake street.
Gilman street, 180 feet east of Aldrich street.	Hawthorne street, 139 feet east from Cutter avenue.
Glen street, 9 feet north of Brook street.	Hawthorne street, 340 feet west of Willow avenue.
Glen street, corner of Flint street.	Heath street, corner Temple street.
Glen street, corner Fountain avenue.	Heath street, 51 feet west of Temple street.
Gorham street, 307 feet south from Holland street.	Heath street, 320 feet west of West street.
Gorham street, corner of Howard street.	Heath street, corner of Bond street.
Grand View avenue, 288 feet east of Vinal avenue.	Heath street, corner Fenwick street.

TABLE J.
LOCATION OF HYDRANTS, DECEMBER 31, 1895. — *Continued.*

Heath street, corner of Moreland street.	Holland street, 105 feet west of Irving street.
Henderson street, 159 feet north of Wilton avenue.	Holland street, 77 feet east of Elmwood street.
Herbert street, 192 feet east of Day street.	Holland street, 117 feet west of Cameron avenue.
High street, 300 feet west of Boston street.	Holland street, 80 feet east of Newbury street.
Highland avenue, corner of Medford street.	Homer square, west side of square.
Highland avenue, corner of Walnut street.	Houghton street, 200 feet east of Springfield street.
Highland avenue, 260 feet west of Walnut street.	Hudson street, 292 feet east of Lowell street.
Highland avenue, 41 feet east from Putnam avenue.	Hudson street, 8 feet east of Porter street.
Highland avenue, 47 feet west from Prescott street.	Irving street, 6 feet south of Broadway.
Highland avenue, 114 feet west from School street.	Irving street, 300 feet south of Broadway.
Highland avenue, 410 feet west of School street.	Irving street, 537 feet north of Holland street.
Highland avenue, 115 feet west from Trull lane.	Irving street, 183 feet north from Holland street.
Highland avenue, 171 feet east from Central street.	James street, 100 feet north of Pearl street.
Highland avenue, 28 feet west of Belmont street.	Jaques street, 9 feet north of Grant street.
Highland avenue, 180 feet west of Lowell street.	Jaques street, 362 feet east of Temple street.
Highland avenue, corner of Porter street.	Jaques street, 190 feet west of Temple street.
Highland avenue, corner of Eastman place.	Jaques street, 300 feet east of Bond street.
Highland avenue, 36 feet east of Fanning avenue.	Jay street, 90 feet north of Howard street.
Highland avenue, corner of Willow avenue.	Joy street, 36 feet south of Washington street.
Highland avenue, 6 feet west of Grove street.	Joy street, 440 feet south of Washington street.
Highland avenue, 60 feet east of Davis square.	Joy street, 285 feet north of Poplar street.
Holland street, 42 feet west of Dover street.	
Holland street, 36 feet east of Winter street.	

TABLE J.

LOCATION OF HYDRANTS, DECEMBER 31, 1895. — *Continued.*

Jenny Lind avenue, corner of Vernon street.	Linden avenue, 30 feet north from Olive avenue.
Jenny Lind avenue, 220 feet south from Broadway.	Line street, 500 feet west of Cooney street.
Jenny Lind avenue, 16 feet north of Vernon street.	Linwood street, 416 feet south of Washington street.
Jenny Lind avenue, 467 feet north of Vernon street.	Linwood street, 225 feet north of Poplar street.
	Linwood street, 55 feet south of London street.
Kensington avenue, corner of Broadway.	Linwood street, corner of Linwood place.
Kent court, 285 feet west of Kent street.	London street, 400 feet east of Linwood street.
Kingman court, 300 feet south of Washington street.	Loring street, 273 feet north of Somerville avenue.
Kingston street, 402 feet west of Meacham street.	Lowell street, corner of Fiske avenue.
Knowlton street, opposite Morton street.	Lowell street, 195 feet south of Richardson street.
	Lowell street, opposite Vernon street.
Lake street, 205 feet west of Hawkins street.	Lowell street, 665 feet south of Summer street.
Lake street, corner of Carleton street.	
Laurel street, 300 feet south of Summer street.	Madison street, 480 feet west of School street.
Laurel street, 8 feet north of Park place.	Main street, 116 feet west of Mt. Vernon avenue.
Lawrence street, 9 feet south of Richardson street.	Main street, corner of Moreland street.
Lexington avenue, corner Fanning avenue.	Mansfield street, 200 feet north of Somerville avenue.
Lincoln street, opposite Arlington street.	Mansfield street, 200 feet south of Washington street.
Lincoln avenue, 224 feet west of Mt. Vernon street.	Maple street, 220 feet east of Medford street.
Linden street, 33 feet north of Charlestown street.	Maple street, 9 feet north of Poplar street.
Linden street, 557 feet south of Somerville avenue.	Marshall street, 94 feet north from Gilman square.
Linden avenue, 243 feet north of Elm street.	Marshall street, 30 feet north from Stickney avenue.
Linden avenue, 550 feet north from Elm street.	Marshall street, opposite Howe street.

TABLE J.
LOCATION OF HYDRANTS, DECEMBER 31, 1895. — *Continued.*

Marshall street, corner of Evergreen avenue.	Medford street, 98 feet north of Fitchburg R. R.
Marshall street, 104 feet south from Mortimer place.	Medford street, 70 feet south of Fitchburg R. R.
Marshall street, 200 feet south of Broadway.	Medford street, 30 feet north of Ward street.
Malloy court, 16 feet south of Somerville avenue.	Medford street, 91 feet south of Ward street.
Meacham street, corner of Orchard street.	Medford street, 93 feet north of Warren street.
Meacham street, 50 feet south of Glover circle.	Medford street, 17 feet south of Warren street.
Meacham street, at Lowell Railroad fence line.	Medford street, 80 feet southeast of Grand Junction R. R.
Meacham street, 13 feet west from Moreland street.	Merriam street, 42 feet north of Charlestown street.
Mead street, 48 feet east from Claremon street.	Melrose street, 600 feet north of Mystic avenue.
Medford street, junction of Broadway.	Miner street, 142 feet north from Vernon street.
Medford street, 14 feet west from Jenny Lind avenue.	Minnie avenue, 300 feet north from Meacham street.
Medford street, 16 feet from corner of Central street.	Mondamin court, junction of Harrison street.
Medford street, 16 feet east of Sycamore street.	Montrose street, 417 feet west of School street.
Medford street, 46 feet east of Thurston street.	Moore street, 21 feet north of Mead street.
Medford street, corner of School street.	Moore street, 22 feet south from Holland street.
Medford street, junction of Pearl street.	Moore street, 332 feet south from Holland street.
Medford street, 8 feet east of Greenville street.	Morrison street, 13 feet west of Newbern street.
Medford street, 13 feet west of Prospect Hill avenue.	Morrison street, 195 feet west of Clifton street.
Medford street, 34 feet south of Central square.	Morrison street, 33 feet west of Grove street.
Medford street, opposite Chester avenue.	Mossland street, 112 feet north from Somerville avenue.
Medford street, 236 feet south of Washington street.	Munroe street, 206 feet east from Walnut street.
Medford street, 78 feet north of Maple street.	Murdock street, 200 feet east of Cedar street.
Medford street, 21 feet north of Somerville avenue.	Mt. Vernon avenue, 200 feet north of Heath street.

TABLE J.
LOCATION OF HYDRANTS, DECEMBER 31, 1895. — *Continued.*

Mt Vernon street, 9 feet north of Pearl street.	Orchard street, 9 feet east of Chester street.
Mt. Vernon street, corner of Broadway.	Otis street, 440 feet west from Cross street.
Mt. Pleasant street, 276 feet south of Broadway.	Otis street, 9 feet east of Dana street.
Myrtle street, 418 feet north of Washington street.	Oxford street, 358 feet west of School street.
Myrtle street, 82 feet south of Pearl street.	Oxford street, 100 feet west of Hersey street.
Mystic avenue, corner of Union street.	
Mystic avenue, 200 feet north of North Union street.	Park avenue, 90 feet west of Elm street.
Mystic avenue, near Medford line.	Park avenue, 10 feet west from Chandler street.
	Park street, 69 feet north of Fitchburg R. R.
Nashua street, 215 feet south of Wilton st.	Park street, 155 feet north of Beacon street.
Newbury street, 570 feet south of Holland street.	Partridge avenue, corner of Broadway.
Newbury street, 965 feet south of Holland street.	Partridge avenue, 26 feet north of Medford street.
Norfolk street, corner of Webster avenue.	Partridge avenue, 126 feet south of Medford street.
North street, 440 feet north of Raymond avenue.	Partridge avenue, 450 feet south of Medford street.
North street, 190 feet north of City Bound No. 19.	Partridge avenue, 290 feet north of Vernon street.
North Union street, 300 feet north of Mystic avenue.	Pearl street, corner of Pinckney street.
	Pearl street, 69 feet west of Hillside avenue.
Oak street, 390 feet west of Prospect street.	Pearl street, 18 feet east of Delaware street.
Oakland avenue, 230 feet west of Marshall street.	Pearl street, 9 feet west of Glen street.
Oliver street, 183 feet east of Cross street.	Pearl street, 30 feet west of Dana street.
Oliver street, 15 feet east of Glen street.	Pearl street, corner of Wigglesworth street.
Orchard street, 9 feet west of Russell street.	Pearl street, corner of Walnut street.
Orchard street, corner of Mason avenue.	Pearl street, 120 feet east of Marshall street.

TABLE J.
LOCATION OF HYDRANTS, DECEMBER 31, 1895. — *Continued.*

Perkins street, opposite Myrtle street.	Putnam street, 116 feet south of Highland avenue.
Perkins street, opposite Lincoln street.	Putnam street, 425 feet south of Highland avenue.
Perkins street, 63 feet east of Perkins place.	Putnam street, 608 feet north of Summer street.
Perkins street, 21 feet east of Mt. Pleasant street.	Putnam street, 308 feet north of Summer street.
Pinckney street, 345 feet south of Pearl street.	Quincy street, 315 feet south of Summer street.
Pleasant avenue, 290 feet east of Vinal avenue.	Quincy street, corner of Somerville avenue.
Prescott street, 326 feet south of Highland avenue.	Richardson street, 12 feet west of Henderson street.
Prescott street, 582 feet south of Highland avenue.	Richdale avenue, opposite Thurston street.
Prescott street, 257 feet north of Summer street.	Robinson street, 333 feet west of Central street.
Preston street, 375 feet west of School street.	Rogers' avenue, 300 feet north of Morrison avenue.
Poplar street, 21 feet west of Joy street.	Rossmore street, 260 feet south of Washington street.
Porter street, corner of Mountain avenue.	Rush street, 81 feet south of Pearl street.
Porter street, 24 feet north of Williams court.	Sacramento street, 5 feet south from Miller street.
Professors' row, 277 feet east from College avenue.	Sanborn avenue, 60 feet east of Walnut street.
Professors' row, 140 feet west of College avenue.	Sargent avenue, 36 feet north of Mills street.
Professors' row, 300 feet west of College avenue.	School street, 108 feet south of Maple avenue.
Professors' row, 580 feet west of College avenue.	School street, 8 feet south of Montrose street.
Professors' row, 188 feet east of Packard avenue.	School street, 128 feet north from Highland avenue.
Professors' row, 305 feet west of Packard avenue.	School street, 88 feet north of Oxford street.
Prospect Hill avenue, 9 feet north of High street.	School street, 88 feet north of Avon street.
Prospect street, 135 feet north of Bennet street.	
Prospect street, corner of Webster avenue.	
Prospect street, 210 feet south of Oak street.	

TABLE J.
LOCATION OF HYDRANTS, DECEMBER 31, 1895. — *Continued.*

School street, 100 feet south of Summer street.	Somerville avenue, 83 feet west of Prospect street.
School street, 93 feet south of Preston street.	Somerville avenue, 30 feet west of Linden street.
School street, 61 feet north of Knapp street.	Somerville avenue, 12 feet east of Mystic street.
Sewall street, 324 feet west of Grant street.	Somerville avenue, 121 feet east of Medford street.
Skehan street, 110 feet east from Hanson street.	Somerville avenue, 86 feet east of Poplar street.
Somerville avenue, 181 feet west of Mossland street.	Somerville avenue, 490 feet west of Fitchburg R. R.
Somerville avenue, 195 feet east of Beacon street bridge.	Somerville avenue, 100 feet west of Fitchburg R. R.
Somerville avenue, 500 feet east of Beacon street bridge.	Somerville avenue, south side of Fitchburg R. R.
Somerville avenue, 120 feet west of Elm street.	Somerville avenue, 260 feet west of Franklin court.
Somerville avenue, 112 feet west of Lowell street.	Somerville avenue, corner of Franklin court.
Somerville avenue, 77 feet from Belmont street.	Somerville avenue, 100 feet west of Cambridge line.
Somerville avenue, 69 feet east from Spring street.	Summer street, 160 feet east of Cutter avenue.
Somerville avenue, opposite Spring street.	Summer street, opposite Elston street.
Somerville avenue, 195 feet west from Spring street.	Summer street, west corner of Gordon road.
Somerville avenue, 13 feet west of Beech street.	Summer street, opposite Banks street.
Somerville avenue, 9 feet east of Central street.	Summer street, 6 feet east of Cherry street.
Somerville avenue, 15 feet west of Laurel street.	Summer street, 6 feet east of Cedar street.
Somerville avenue, 100 feet west of Loring street.	Summer street, 24 feet east from Linden avenue.
Somerville avenue, 113 feet each of Dane street.	Summer street, opposite Craigie street.
Somerville avenue, 185 feet west of Hawkins street.	Summer street, 35 feet east from Porter street.
Somerville avenue, 88 feet west of Quincy street.	Summer street, corner of Lowell street.
Somerville avenue, 105 feet east of Carleton street.	Summer street, east corner of Belmont street.
Somerville avenue, 400 feet west of Prospect street.	Summer street, corner of Spring street.

TABLE J.
LOCATION OF HYDRANTS, DECEMBER 31, 1895.— *Continued.*

Summer street, 53 feet west from Harvard street.	Sycamore street, 174 feet south from Medford street.
Summer street, 215 feet east from Harvard street.	Stickney avenue, 212 feet west of Marshall street.
Summer street, 59 feet east from Central street.	Sydney street, 412 feet east of Temple street.
Summer street, 19 feet west from Laurel street.	
Summer street, 54 feet east of Preston street.	Talbot avenue, corner of Packard avenue.
Summer street, 200 feet west of School street.	Temple street, 53 feet north of Jaques street.
Summer street, 8 feet east of School street.	Tenney court, 318 feet north of Mystic avenue.
Summer street, opposite Putnam street (east line).	Thurston street, 6 feet north of Evergreen avenue.
Summer street, 6 feet west of Vinal avenue (west line).	Tower street, 16 feet north from Crown street.
South street, 234 feet west of Medford street.	Tremont street, corner of Webster avenue.
South street, corner of Emery street.	Trull street, 264 feet north of Vernon street.
South street, corner of Earle street.	Tufts street, 75 feet north of Washington street.
Spring street, 10 feet south from Pitman street.	Tufts street, 48 feet west of Glen street.
Spring street, 184 feet north from Beech street.	Tufts street, 54 feet east of Cross street.
Springfield street, 140 feet south of Concord avenue.	Thorndike street, 10 feet south of Boston & Lowell R. R.
Springfield street, 21 feet south of Dickinson street.	Thorpe place, 280 feet south of Highland avenue.
Springfield street, 120 feet north of Cambridge line.	Tyler street, 50 feet east of Vine street.
Summit avenue, 120 feet west of Walnut street.	
Sunnyside avenue, 105 feet west of Wigglesworth street.	Union square, corner of Washington street.
Sycamore street, 18 feet south of Broadway.	Union square, west side of square.
Sycamore street, 360 feet south of Broadway.	Union street, corner of Broadway.
Sycamore street, corner of Forster street.	Veazie street, opposite James street.
Sycamore street, 213 feet north of Medford street.	Vernon street, 75 feet west of Partridge avenue.

TABLE J.
LOCATION OF HYDRANTS, DECEMBER 31, 1895. — *Continued.*

Vernon street, corner of Bartlett street.	Warren avenue, 75 feet south of Columbus avenue.
Vernon street, corner of Miner street.	Warren avenue, 175 feet north of Bow street.
Vinal avenue, 129 feet north of Aldersey street.	Warwick street, 420 feet east of Cedar street.
Vinal avenue, 219 feet north of Summer street.	Washington street, 69 feet west of Crescent street.
Vinal avenue, corner of Highland avenue.	Washington street, corner of Mt. Vernon street.
Vine street, 180 feet north of Beacon street.	Washington street, corner of Florence street.
Virginia street, 45 feet west of Aldrich street.	Washington street, corner of Myrtle street.
Wallace street, 40 feet south of Broadway.	Washington street, 15 feet west of Myrtle street.
Wallace street, 480 feet south of Broadway.	Washington street, 20 feet east of Franklin avenue.
Wallace street, 694 feet south from Broadway.	Washington street, 50 feet east of Shawmut street.
Wallace street, 175 feet north of Park avenue.	Washington street, 100 feet east of Rossmore street.
Wallace street, 10 feet north of Holland street.	Washington street, 84 feet east of Boston street.
Walnut street, 38 feet south of Veazie street.	Washington street, 75 feet west of Mystic street.
Walnut street, 92 feet south of Wellington avenue.	Washington street, corner of Clark place (west side).
Walnut street, 36 feet north of Pleasant avenue.	Washington street, opposite Union square.
Walnut street, 12 feet south of Boston street.	Washington street, 6 feet east of Kingman court.
Walter street, 28 feet west from Walnut street.	Washington street, 240 feet east from Parker street.
Walter street, 50 feet west from Bradley street.	Washington street, 96 feet west of Parker street.
Ward street, 84 feet west of Medford street.	Washington street, 9 feet east of Leland street.
Ward street, corner of Emery street.	Washington street, 186 feet west of Dane street.
Ware street, 258 feet west of Curtis street.	Washington street, 45 feet east of Beacon street.
Warren avenue, corner of Sanborn avenue (north side).	Webster avenue, 96 feet south of Union square.
	Webster avenue, 12 feet south of Everett street.

TABLE J.

LOCATION OF HYDRANTS, DECEMBER 31, 1895. — *Concluded.*

Webster avenue, 25 feet north of Newton street.	Winslow avenue, 150 feet east from Elm street.
Webster avenue, 63 feet north of Prospect street.	Winslow avenue, 66 feet east of Villa avenue.
Webster avenue, 275 feet south of Prospect street.	Winslow avenue, corner of Grove street.
Webster street, 9 feet east of Rush street.	Winter street, 130 feet east from Holland street.
Webster street, 12 feet west of Cutter street.	Winter Hill circle, 200 feet north of Broadway.
Wellington avenue, west of Montgomery avenue.	Woodbine street, 222 feet west from Centre street.
West street, corner of Broadway.	Wyatt street, 42 feet west of Cook street.
West street, ward 4, corner of Highland avenue.	Wyatt street, 324 feet east from Washington street.
West street, ward 4, 144 feet north of Highland avenue.	
Westwood road, 90 feet west from Central street.	
Westwood road, 58 feet east from Benton avenue.	
Wheatland street, 135 feet north of Broadway.	PRIVATE HYDRANTS.
Wheatland street, 9 feet south of Jaques street.	John P. Squire 7
Wheatland street, 100 feet south of Mystic avenue.	North Packing Co. 11
Wigglesworth street, corner of Otis street.	McLean Asylum 4
Willow avenue, 12 feet north of Summer street.	Middlesex Bleachery 3
Willow avenue, 250 feet north of Highland avenue.	American Tube Works 2
Willow avenue, 66 feet south of Morrison street.	Union Glass Works 1
Wilton street, 6 feet east of Nashua street.	Fitchburg R. R. 1
Wilton street, 12 feet east of Lawrence street.	New England Dressed Meat and Wool Company 6
	Metropolitan Sewerage Pumping Station . . 1

TABLE K.
GATES.—EXTENSION.

New gates have been set in the following locations:—

Albion street, 2-inch, for water-post.

Banks street, 8-inch, 13 feet out from east line, on south line of Summer street.

Bond street, 6-inch, 13 feet 8 inches out from east line, 19 feet 6 inches north from south line of Heath street.

Boston street, 2-inch, for water-post.

Broadway, 12-inch, 23 feet out from south line, on east line of piazza of house No. 890.

Broadway, 12-inch, 23 feet out from south line, on west line of Irving street.

Broadway, 12-inch, 32 feet 5 inches out from south line, 13 feet east from west line of West street.

Broadway, 12-inch, 32 feet out from south line, on west line of Walnut street.

Broadway, 12-inch, 34 feet out from south line, on east line of Walnut street.

Broadway, 12-inch, 33 feet out from south line, 4 feet east from east line of Cross street.

Browning road, 6-inch, 13 feet out from north line, on west line of Sycamore street.

Burnside avenue, 8-inch, 13 feet out from west line, on south line of Summer street.

Chandler street, 6-inch, 13 feet out from west line, on south line of Broadway.

Cherry street, 8-inch, 14 feet 6 inches out from east line, on south line of Highland avenue.

Columbus avenue, 2-inch, for water-post.

Craigie street court, 6-inch, 8 feet out from south line, on west line of Craigie street.

Crocker street, 8-inch, 13 feet out from west line, on south line of Highland avenue.

Cross street, 6-inch, 20 feet 6 inches out from west line of Cross street, 27 feet north from north line of Pearl street.

Derby street, 6-inch, 13 feet out from north line, on west line of Wheatland street.

Derby street, 6-inch, 13 feet out from north line, on west line of Grant street.

Dresden circle, 4-inch, 10 feet out from north line, on west line of Cutter avenue.

Ellsworth street, 6-inch, 14 feet 10 inches out from south line, on west line of Rush street.

Elmwood court, 3-inch, 8 feet out from south line, on east line of Elmwood street.

Fairmount avenue, 4-inch, 13 feet out from north line, on west line of Curtis street.

Fairmount avenue, 4-inch for blow-off, 14 feet out from north line, 4 feet west from west line of house No. 47.

Fenwick street, 6-inch, 13 feet out from west line, 1 foot south from south line of Heath street.

Florence street, 8-inch, 16 feet 8 inches out from west line, on north line of house No. 32.

Fosket street, 8-inch, 13 feet out from north line, on east line of Liberty avenue.

Fremont street, 6-inch, 14 feet out from west line, 196 feet 6 inches north from north line of Main street.

Glen street, 6-inch, 13 feet out from west line, on south line of Oliver street.

Gorham street, 6-inch, 13 feet out from east line, on north line of Howard street.

Grant street, 6-inch, 13 feet out from west line, on north line of Jaques street.

Grant street, 6-inch, 13 feet out from west line, on north line of Derby street.

Harrison street, 6-inch, 13 feet out from north line, on east line of Elmwood street.

Irving street, 8-inch, 14 feet 6 inches out from west line, on south line of Broadway.

Jay street, 6-inch, 13 feet out from east line, on north line of Howard street.

Kent court, 6-inch, 6 feet out from north line, on west line of Kent street.

Kent court, 4-inch for blow-off, 7 feet out from north line, 295 feet west from Kent street main.

Lowell street, 12-inch, 13 feet out from west line, on south line of Highland avenue.

Metropolitan Sewerage pumping station, 6-inch, 16 feet 8 inches out from east side of Mystic pumping station, on south line of building.

Montrose street, 2-inch, for water-post.

Moreland street, 10-inch, 13 feet out from east line, on south line of Meacham street.

Nevada avenue, 6-inch, 7 feet out from north line, on east line of Hanson street.

Norwood avenue, 6-inch, 13 feet out from east line, on south line of Broadway.

Partridge avenue, 6-inch, 13 feet out from west line, on south line of Broadway.

Professors' row, 8-inch, 26 feet out from south line, on east line of the president's house.

Professors' row, 8-inch, 13 feet out from south line, on east line of College avenue.

Richardson terrace, 4-inch, 7 feet out from west line, on north line of Richardson street.

Richardson terrace, 4-inch, for blow-off, 7 feet out from west line, 180 feet north from north line of Richardson street.

School street, 6-inch, 14 feet out from east line, 2 feet north from north line of Howe street.

Summer street, 2-inch, for water-post.

Vernon street, 10-inch, 17 feet 6 inches out from north line, 2 feet 6 inches east from west line of Central street.

Vernon street, 10-inch, 12 feet 6 inches out from north line, 105 feet 6 inches east from west line of factory.

Village street, 6-inch, 9 feet out from south line, on east line of Hanson street.

Warren street, 3-inch, 10 feet out from south line, on west line of Medford street.

Waverly street, 4-inch, for blow-off, 14 feet 6 inches out from west line, 168 feet south from Washington street main.

Webster avenue, 2-inch, for water-post.

West street, 6-inch, 10 feet out from west line, on north line of Broadway.

Westwood road, 8-inch, 13 feet out from north line, on west line of Central street.

Westwood road, 8-inch, 13 feet out from west line, on east line of Benton avenue.

Willow avenue, 12-inch, 16 feet out from east line, 2 feet 9 inches south from south line of B. & M. R. R. track.

Willow avenue, 12-inch, 16 feet out from east line, on south line of Appleton street.

TABLE L.

GATES.—MAINTENANCE.

The following changes have been made in the size and location of main gates :—

Autumn street, 6-inch gate, set 6 feet out from east line, on south line of Broadway, to replace 4-inch gate, removed from same location.

Austin street, 8-inch gate, set 13 feet out from west line, on north line of Broadway, to replace 6-inch gate, removed from same location.

Beacon street, 12-inch gate, set 20 feet 4 inches out from north line, on west line of Buckingham street, to replace 6-inch gate, removed from same location.

Beacon place, 6-inch gate, set 5 feet 5 inches out from west line, on north line of Beacon street, to replace 4-inch gate, removed from same location.

Broadway, 12-inch gate, set 33 feet out from south line, on west line of George street, to replace 8-inch gate, removed from 25 feet out from Broadway, on west line of George street.

Broadway, 12-inch gate, set 35 feet out from south line, on west line of Franklin street, to replace 8-inch gate, removed from 25 feet out from Broadway, on west line of Franklin street.

Broadway, 12-inch gate, set 33 feet out from south line, on west line of Cross street, to replace 8-inch gate, removed from 35 feet out from Broadway, on south line of Cross street.

Broadway, 12-inch gate, set 33 feet out from south line, on west line of Edmunds street, to replace 8-inch gate, removed from 35 feet out on west line of Montgomery avenue.

Broadway, 12-inch gate, set 33 feet out from south line, on east line of Marshall street, to replace 8-inch gate, removed from 32 feet out from Broadway, on east line of Marshall street.

Broadway place, 4-inch gate, set 8 feet 9 inches out from east line, on south line of Broadway, to replace 3-inch gate, removed from 9 feet out from east line, and 25 feet north from south line of Broadway.

Beacon street, 6-inch gate removed.

Concord avenue, 12-inch gate, set 13 feet out from east line, on north line of Beacon street, to replace 4-inch gate, set 12 feet out on north line of Beacon street.

Cooney street, 8-inch gate, set 10 feet out from south line of Beacon street, to replace 4-inch gate, removed from same location.

Dickinson street, 10-inch gate, set 13 feet out from west line, on north line of Beacon street, to replace 8-inch gate, removed from same location.

Ellsworth street, 6-inch gate, set 13 feet out from south line, on east line of Cross street, to replace 4-inch gate, removed from same location.

Everett avenue, 6-inch gate, set 13 feet out from north line, on west line of Cross street, to replace 4-inch gate, removed from same location.

Everett avenue, 6-inch gate, set 13 feet out from north line, on east line of Dana street, to replace 4-inch gate, removed from same location.

Evergreen avenue, 8-inch gate, set 14 feet 4 inches out from south line, on east line of School street, to replace 4-inch gate, removed from same location.

Florence street, 8-inch gate, set 15 feet out from west line, on south line of Pearl street, to replace 6-inch gate, removed from same location.

Fountain avenue, 6-inch gate, set 11 feet out from north line, on east line of Cross street, to replace 4-inch gate, removed from same location.

George street, 6-inch gate, set 11 feet 6 inches out from east line, on south line of Broadway, to replace 4-inch gate, removed from 13 feet out from east line, on south line of Broadway.

Glen street, 6-inch gate, set 13 feet 6 inches out from west line, on south line of Broadway, to replace 4-inch gate, removed from same location.

Heath street, 8-inch gate, set 16 feet out from south line, on west line of Temple street, to replace 3-inch gate, removed from same location.

Heath street, 8-inch gate, set 16 feet 6 inches out from south line, on east line of Bond street, to replace 3-inch gate, removed from 24 feet out from south line, 308 feet west from West street.

Homer square, 6-inch gate, set 10 feet out from north line, on west line of Bonner avenue, to replace 4-inch gate, removed from same location.

Jenny Lind avenue, 6-inch gate, set 13 feet 8 inches out from west line, on north line of Vernon street, to replace 4-inch gate, removed from same location.

Kent street, 12-inch gate, set 10 feet out from east line, on north line of Beacon street, to replace 6-inch gate, removed from 12 feet out on north line of Beacon street.

Marshall street, 10-inch gate, set 13 feet 6 inches out from east line, 1 foot 6 inches south from south line of Broadway, to replace 6-inch gate, removed from same location.

Miller street, 6-inch gate, set 11 feet out from north line, on west line of Sacramento street, to replace 4-inch gate, removed from same location.

Otis street, 8-inch gate, set 13 feet out from north line, on west line of Cross street, to replace 4-inch gate, removed from 16 feet out from north line, on west line of Cross street.

Otis street, 8-inch gate, set 13 feet out from north line, on east line of Dana street, to replace 4-inch gate, removed from 12 feet out from north line, on east line of Dana street.

Rush street, 6-inch gate, set 12 feet 6 inches out from east line, on south line of Broadway, to replace 4-inch gate, removed from same location.

Sargent avenue, 6-inch gate, set 12 feet 6 inches out from east line, on south line of Broadway, to replace 4-inch gate, removed from same location.

Skehan street, 6-inch gate, set 10 feet out from south line, on east line of Hanson street, to replace 4-inch gate, removed from same location.

Smith avenue, 6-inch gate, set 7 feet 2 inches out from west line of Smith avenue, on south line of Beacon street, to replace 4-inch gate, removed from 8 feet out from west line on south line of Beacon street.

Spring street, 6-inch gate, set 13 feet 8 inches out from east line, on north line of Beech street, to replace 4-inch gate, removed from 15 feet out from east line, on north line of Beech street.

Spring street, 6-inch gate, set 13 feet 8 inches out from east line, on south line of Summer street, to replace 4-inch gate, removed from 20 feet out from east line, on south line of Summer street.

Union street, 12-inch gate, set 13 feet out from east line, on north line of Broadway, to replace 4-inch gate, removed from 15 feet out from east line, on north line of Broadway.

Vernon street, 10-inch gate, set 13 feet 6 inches out from north line, on west line of Central street, to replace 4-inch gate, removed from same location.

Vernon street, 10-inch gate, set 16 feet out from north line, on east line of Jenny Lind avenue, to replace 4-inch gate, removed from same location.

TABLE M.
RECAPITULATION.

GATES.	SIZE.							Total.
	2"	3"	4"	6"	8"	10"	12"	
Set	6	2	8	41	19	7	18	101
Removed	0	3	25	6	6	0	.0	40

Net increase in number of gates in 1895 61

Total number of gates in the city December 31, 1895 . . . 848

TABLE N.
WATER-POSTS.

Six new water-posts, for the use of the street-watering department, were set in 1895, in the following locations : —

Columbus avenue, near Stone avenue.
Boston street, near Greenville street.
Summer street, near Belmont street.
Albion street, near Lowell street.
Montrose street, near School street.
Webster avenue, near glass house.

One was removed from Medford street, near Magoun square, to Broadway, opposite entrance to city farm, and one was removed from Pinckney street, corner of Pearl street, to Pearl street, near Myrtle street.

The total number now in the city is 44. All are in good condition, having received the usual renewals of boxes, valves, hose and general repairs.

LOCATIONS OF WATER-POSTS.

Albion street, near Lowell street.
Beacon street, opposite Cooney street.
Beacon street, near Sacramento street.

Boston street, near Greenville street.
Broadway, near corner of Franklin street.
Broadway, opposite Broadway park.
Broadway, opposite City Farm.
Broadway, corner of Clarendon avenue.
Columbus avenue, near Stone avenue.
Concord avenue, corner of Marion street.
Elm street, near Burnside avenue.
Elm street, near Morrison street.
Elm street, opposite Kenwood street.
Highland avenue, corner of Medford street.
Highland avenue, corner of Central street.
Highland avenue, near Willow avenue.
Holland street, near Elmwood street.
Linwood street, near Poplar street.
Main street, near Broadway.
Medford street, corner of Lee street.
Montrose street, near School street.
Mystic avenue, corner of Union street.
Pearl street, corner of Walnut street.
Pearl street, near Delaware street.
Pearl street, near Myrtle street.
Putnam street, corner of Summer street.
School street, near Broadway.
Somerville avenue, near East Cambridge line.
Somerville avenue, near Poplar street.
Somerville avenue, corner of Mystic street.
Somerville avenue, near School street.
Somerville avenue, corner of Beacon street.
Spring street, near Somerville avenue.
Summer street, opposite Laurel street.
Summer street, near Belmont street.
Summer street, corner of Cedar street.
Summer street, corner of Elm street.
Tufts street, corner of Cross street.
Vinal avenue, near Highland avenue.
Washington street, corner of Myrtle street.
Washington street, corner of Boston street.
Washington street, near Union square.
Washington street, opposite Leland street.
Webster avenue, near glass house.

The following items of expense appear for the construction and maintenance of water-posts : —

Cost of setting six new water-posts, complete : —		
Materials	\$161.53	
Labor and teaming	72.85	\$234.38
Cost of resetting two old water-posts : —		
Materials	\$27.76	
Labor and teaming	29.50	57.26
Maintenance of posts and turning off and on water : —		
Materials	\$47.30	
Labor and teaming	90.50	147.80
Total cost		<u>\$439.44</u>

TABLE O.

DRINKING FOUNTAINS.

The drinking fountain set in 1894, in Russell square at the junction of Broadway and Holland street, also the one on Broadway, opposite the Parkway, were removed the past year; the total number now in the city is seven, located as below: —

All have received necessary cleaning and attention.

LOCATION OF DRINKING FOUNTAINS.

Highland avenue, corner of Walnut street.
 Gilman square, in centre.
 Somerville avenue, junction with Washington street.
 Union square, in front of Hill building.
 Broadway, north side of Magoun square.
 Davis square, in centre.
 Davis square, in front of Medina building.

TABLE P.

HYDRANTS. — MAINTENANCE AND REPAIRS.

Paid for Leather valves	\$31.50	
Gaskets	16.56	
Oil	13.17	
Black varnish	47.90	
Repairs	20.03	
<i>Amount carried forward</i>		<u>\$129.16</u>

<i>Amount brought forward</i>		\$129.16
Labor and teaming for oiling, repairing valves, gas-kets, etc.		237.00
Replacing six old hydrants with new pattern:—		
Pipe and fittings	16.39	
Six hydrants	192.00	
Labor and teaming setting above	48.50	
	<u>\$256.89</u>	
CREDIT:		
Value of old hydrants removed	150.00	\$106.89
	<u></u>	<u>\$473.05</u>

HYDRANTS REPLACED.

Broadway, corner Melvin street.
 Lake street, 205 feet west of Hawkins street.
 Charles street, 183 feet south of Washington street.
 Oliver street, corner Glen street.
 Mondamin court, junction with Harrison street.
 Fairmount avenue, 590 feet west of Curtis street.

TABLE Q.

GATES AND BOXES.—MAINTENANCE AND REPAIRS.

Renewals of boxes:—		
15 new iron boxes	\$67.50	
Labor and teaming setting same	42.60	\$110.10
Renewal of three large wooden boxes, Washington st., corner of Tufts st. and Franklin street: boxes	24.98	
Labor and teaming setting same	42.06	67.04
Repairing, packing and salting gates and boxes, labor and teaming	135.00	
Materials	26.65	161.65
	<u></u>	<u>\$338.79</u>

TABLE R.

BURSTS ON CEMENT MAINS.

The following bursts on cement mains are recorded for 1895 : —

	SIZE OF MAINS.	NUMBER.
	2"	2
	4"	15
	6"	15
	8"	2
Total.....		34

Expenditures in 1895 on account of bursts in old cement mains were as follows : —

For Pipe and castings	\$123.30
Lead	28.55
Cement	7.60
Service pipe and fittings	1.70
Fuel	78.20
Stove for drying cellars	5.60
Labor and teaming	488.02
Mason and timber work repairing stable, Broadway, corner Franklin street	135.40
Claims for damages to personal property settled by payment of	90.00
Claim of John McNamara for injuries caused by caving of trench on Elm street, settled by payment of	500.00
	<u>\$1,458.37</u>

TABLE S.

VALUATION OF PROPERTY UNDER CONTROL OF THE
WATER BOARD DECEMBER 31, 1895.

277,838 feet of iron water mains	}	\$550,000.00
103,591 " " cement " "		
848 gates and boxes set in connection therewith		
655 fire hydrants " " " "		
44 water-posts " " " "		
High-service standpipe and grounds		17,000.00
" " pumping station, buildings and grounds		17,300.00
" " pumps and boilers		10,500.00
Pumping station furniture and tools		783.95
Pump and boiler sundries		11.00
Fuel for high-service boiler		32.00
Shop buildings and yard		6,900.00
Office furniture		532.00
Books, stationery, etc.		25.00
Tools		1,473.00
Horses		500.00
Wagons, sleighs, etc.		975.00
Harnesses, robes, etc.		300.00
Hay and grain		43.39
Stable utensils		35.25
Main pipe on hand		9,700.71
Special castings on hand		1,933.05
Gates and boxes " "		312.00
Hydrants " "		160.00
Service pipe and fittings on hand		739.31
Packing " "		3.50
Patterns for special castings		1,000.00
		<hr/>
		\$620,259.16

The Board is also in control of 292,899 feet of service pipes, connecting 8,586 taps, the cost of which has been paid to the city by the owners of properties connected to the water mains.

REPORT OF THE ENGINEER OF THE PUMPING
STATION.

HIGH-SERVICE PUMPING STATION, }
SOMERVILLE, Dec. 31, 1895. }

TO THE SOMERVILLE MYSTIC WATER BOARD:—

Gentlemen,— The sixth annual report of the work performed by the high-service pump is as follows:—

Number of days on which the pump was run	365
Number of runs made	732
Total pumping time, in hours	2,442.15
Average pumping time per day, in hours	6.69
Average number of revolutions per minute	27.80
Number of tons of coal consumed	287.25
Total gallons of water pumped	195,600,000
Average head pumped against, less friction	165 ft.
Average steam pressure	40 lbs.
Average back-water pressure	38 lbs.

The pump and boiler and other machinery are in good condition. There have been no accidents, and no repairs have been necessary during the year.

Respectfully submitted,

SIDNEY E. HAYDEN, *Engineer.*

H

ANNUAL REPORT

OF THE

BOARD OF HEALTH.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 22, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, January 22, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF THE BOARD OF HEALTH, }
CITY HALL, January 1, 1896. }

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL:—

Gentlemen,—We respectfully submit the following as the eighteenth annual report of the Board of Health, in which is presented a statement, tabulated and otherwise, of the sanitary condition of the city and the business of the Board for the year ending December 31, 1895.

ORGANIZATION.

Chairman, Alvano T. Nickerson.

Clerk, William P. Mitchell.

Agent, Caleb A. Page.

NUISANCES.

A record of nuisances abated during the year, in compliance with notices issued by the Board, or under the Board's direction, is presented in the following table, under the head of months when the complaints were made:—

NUISANCES ABATED IN THE YEAR 1895.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Cellar damp	7	5	1	3	4	...	...	...	1	2	3	5	31
Cesspool offensive	2	...	1	...	...	...	1	...	2	...	...	1	7
Cesspool overflowing	3	1	...	...	...	1	...	...	...	2	1	...	8
Connections of drainage pipes defective	3	5	2	4	1	...	1	...	2	1	3	2	24
Cow barn offensive	1	...	...	...	...	...	...	...	1	...	...	...	2
Drainage defective	4	2	3	5	2	2	1	1	...	2	3	2	27
Drainage emptying into cellar	1	...	2	...	3	2	...	1	2	...	...	1	12
Drainage emptying on surface	2	1	...	3	...	...	3	...	...	...	2	3	14
Drainage-pit not ventilated . . . . .	...	...	2	...	...	1	...	...	1	2	...	...	6
Drain-pipe defective	4	6	1	2	...	2	...	...	...	1	1	2	19
Feeding cows on decayed fruit . . . . .	...	...	...	...	...	...	...	1	...	...	...	...	1
Goats kept in cellar . . . . .	...	...	...	...	1	...	...	...	...	...	...	...	1
Goats kept without license . . . . .	...	...	...	...	...	1	...	1	2	...	...	...	4
Hennerly offensive	1	...	...	1	1	...	...	1	1	...	1	...	6
Hens kept in cellar	2	1	1	...	1	...	1	...	...	1	1	1	9
Horse shed offensive	1	...	1	...	...	...	...	...	1	...	...	...	3
Manure exposed and offensive	2	6	1	1	2	4	3	5	2	1	...	1	28
Manure-pit defective	3	5	2	1	1	5	1	2	1	1	1	1	24
Offal on land	1	2	...	...	2	3	1	...	1	...	1	2	13
Offensive odor in and about dwellings	4	3	2	1	3	2	1	1	1	1	1	4	24
Opening in drain-pipe in cellar	3	1	1	4	1	1	...	...	...	2	...	3	16
Pigs kept without license . . . . .	...	...	2	4	5	...	1	...	2	...	...	...	14
Premises filthy	1	1	...	2	3	2	3	1	1	...	...	...	14
Premises untidy	3	5	2	6	7	4	2	2	...	3	1	...	35
Privy-vault defective	7	4	2	3	2	1	...	1	1	1	2	2	26
Privy-vault full	28	3	6	9	13	2	4	...	1	2	3	1	72
Privy-vault offensive	32	4	12	10	20	9	39	13	12	5	6	4	166
Rabbits kept in cellar . . . . .	...	...	...	...	...	...	...	1	...	...	...	...	1
Rubbish in cellar . . . . .	...	2	3	1	1	...	2	...	...	3	2	1	15
Rubbish under stable	1	...	1	...	...	2	1	...	1	2	...	...	8
Sewage flowing under floor	2	1	...	3	1	1	...	1	...	...	1	2	12
Sewer-gas in house	3	4	1	2	3	1	4	2	1	4	2	1	28
Slops thrown on surface	2	...	2	1	...	...	1	3	...	1	...	2	12
Stable infected with glanders . . . . .	...	1	...	...	1	...	...	1	1	1	...	1	6
Stable and stable premises filthy and offensive	1	...	2	...	...	...	1	1	...	...	1	1	7
Stable without drainage . . . . .	...	1	...	2	1	...	...	1	1	...	1	2	9
Stagnant water on surface . . . . .	...	...	2	...	...	2	...	1	...	...	...	1	6
Waste-pipe defective	5	2	3	1	...	5	3	4	1	...	4	2	30
Waste-pipe not trapped	1	...	3	3	...	1	...	2	...	3	1	2	13
Water-closet defective	2	5	3	6	1	2	1	1	...	1	...	1	23
Water-closet insufficiently supplied with water	4	...	1	1	...	...	...	2	...	3	...	...	11
Water-closet offensive . . . . .	...	...	1	1	...	1	1	...	1	...	...	2	7
Water in cellar	2	...	3	1	...	...	...	1	...	2	...	1	10
Water under stable	1	2	...	...	...	1	...	2	1	...	1	2	10
Total	139	73	66	81	80	58	76	52	42	43	43	61	814

Number of nuisances abated	814
Number of nuisances referred to Board of 1896	173
Number of nuisances complained of	987
Number of complaints (many covering more than one nuisance)	507
Number of notices mailed	480
Number of notices served by constables	19

In addition to the above, many nuisances have been abated on verbal notice from the Agent, without action by the Board, and of which no record has been made.

Glanders. — Six cases of glanders have occurred during the year. Prompt action was taken in every case, and the horses have been killed. We renew our request of previous years, that owners of horses notify the Board or its Agent, at once, on the appearance of this disease. We renew our request sent to the Committee on Highways last year, that the committee use great care to have the watering troughs cleaned out occasionally, in order to prevent the spread of this disease.

PERMITS.

The record of permits to keep swine, and goats, to collect grease, and to remove manure, is as follows: —

Swine. — Thirty-four applications were received for permits to keep two hundred and five swine. Thirty-one permits were granted to keep two hundred swine, and three permits were refused. The fee is one dollar for each swine.

Goats. — Seven applications were received for permits to keep eight goats, all of which were granted. Fee for each goat, one dollar.

Grease. — Three applications were received for permits to collect grease, one of which was refused. The fee is two dollars. One of the parties licensed resides in Somerville, and the other in Charlestown.

Manure. — One permit was issued during the year for the carting of manure through the streets of the city in the daytime, between May 1 and November 1. All permits issued for the removal of manure from the stables in the city in the daytime, or for carting through the streets of the city, remain in force until revoked. No fee is charged for these permits.

PEDLERS.

One hundred and seventy-one certificates of registration were issued to hawkers and pedlers during the year,—an increase of eleven over the year 1894. These certificates are issued under Ordinance number thirty of the Revised Ordinances of 1891, and are good for an indefinite period. All pedlers are required to present their vehicles for inspection by the agent of the Board at the Police Station, the first Monday of each month, so that he may see that they are kept in a clean condition and are properly marked with the owner's name and number.

ASHES.

Prior to January 1, 1895, ashes and house dirt were removed by contract, the cost for the year 1894 being fifty-seven hundred dollars.

During the past year these materials have been removed by this department, with teams owned and men hired by the city, under a competent superintendent, who also superintends the collection of house offal.

The cost has been greater than under the contract system, but the results have been most satisfactory; complaints, which before were constant, having practically ceased.

Nine men, with six horses and carts, are employed in the work.

The number of loads collected each month during the year was as follows :

January	2,268 loads.
February	1,640 "
March	1,724 "
April	1,964 "
May	1,802 "
June	1,327 "
July	820 "
August	800 "
September	886 "
October	1,352 "
November	1,367 "
December	1,717 "
Total	<hr/> 17,667 "

The collections are made weekly, as follows :

Monday	in district one.
Tuesday	“ two.
Wednesday	“ three.
Thursday	“ four.
Friday	“ five.
Saturday	“ six.

Materials for removal must be free from filth and offal, must be placed in barrels or boxes, and must be set on the outer edge of the sidewalk before seven o'clock in the morning of the day when the collection is to be made.

The districts were established by the Board of Health of 1890, and are bounded as follows :—

DISTRICT 1.— Beginning at the Boston line and bounded by the northeasterly line of Pearl street, the southeasterly line of Walnut street, the northeasterly line of Highland avenue, the easterly line of Medford street, the northerly line of Washington street, the northwesterly line of Prospect street, the northerly line of Concord avenue, extended across Beacon street to the Cambridge line, and by the Cambridge and Boston lines.

DISTRICT 2.— Beginning at the Boston line and bounded by the northeasterly line of Pearl street, the southeasterly line of Walnut street, the northeasterly line of Broadway, the northeasterly line of Main street, and by the Medford and Boston lines.

DISTRICT 3.— Beginning at the Medford line and bounded by the southeasterly line of Cedar street, the northeasterly line of Highland avenue, the southeasterly line of Walnut street, the northeasterly line of Broadway, the northeasterly line of Main street and by the Medford line.

DISTRICT 4.— Beginning at the intersection of Medford and Washington streets, and bounded by the northerly line of Washington street, the northwesterly line of Prospect street, the northeasterly line of Somerville avenue, the southeasterly line of School street, the northeasterly line of Summer street, the southeasterly line of Cedar street, the northeasterly line of Highland avenue, and the easterly line of Medford street to Washington street.

DISTRICT 5.—Beginning at the intersection of Prospect street and Somerville avenue, and bounded by the northwesterly line of Prospect street, the northerly line of Concord avenue prolonged to the Cambridge line, the Cambridge line (extending westwardly), the southeasterly lines of Oxford, Mossland, and Cedar streets, the northeasterly line of Summer street, the southeasterly line of School street, and the northeasterly line of Somerville avenue to Prospect street.

DISTRICT 6.—All of that portion of the city lying west of the southeasterly lines of Cedar, Mossland, and Oxford streets.

It will be seen by these descriptions that the side lines of streets are used as boundaries, and not the middle lines; so that ashes are removed from the sidewalks on both sides of a street on the same day.

HOUSE OFFAL.

The same change that was made at the beginning of the year in the collection of ashes, was adopted at the same time in the removal of house offal, and with even more gratifying results.

The inadequacy of the contract system had been fully demonstrated after many years' experience, and it was a source of great annoyance and discomfort to the people.

The cost, under the contract for the year 1894, was \$6,855, exclusive of the maintenance of the wagons and sleds, which were the property of the city.

It was well understood that the change would largely increase the expense, but, in the judgment of this Board, the efficiency of the service and the general satisfaction afforded fully compensate for the outlay. The cost under the contract system, if continued, would naturally have been more in 1895 than in the previous year, owing to the rapid growth of the city.

The force employed consists of sixteen men, with eight horses and wagons.

The cost for the past year was \$10,487.11, in addition to the Superintendent's salary and the equipment and maintenance of the teams and stable, which would be chargeable, proportionately, to this work and the collection of ashes. The amount of eight hundred

dollars, received for the offal sold, should be deducted from this expense, as should also the present value of the equipment. (See table of receipts and expenditures at end of this report.)

The following table, showing the number of loads collected each month during the year, may be of interest.

January	.	.	.	.	.	.	.	.	.	460 loads.
February	.	.	.	.	.	.	.	.	.	389 "
March	.	.	.	.	.	.	.	.	.	416 "
April	.	.	.	.	.	.	.	.	.	420 "
May	.	.	.	.	.	.	.	.	.	432 "
June	.	.	.	.	.	.	.	.	.	400 "
July	.	.	.	.	.	.	.	.	.	300 "
August	.	.	.	.	.	.	.	.	.	300 "
September	.	.	.	.	.	.	.	.	.	456 "
October	.	.	.	.	.	.	.	.	.	416 "
November	.	.	.	.	.	.	.	.	.	415 "
December	.	.	.	.	.	.	.	.	.	419 "
Total	.	.	.	.	.	.	.	.	.	<hr/>4,823 "

NIGHT SOIL.

The removal of night soil has been made by R. M. Johnson of Arlington during the past year, and has been carried on by the "Odorless" process.

The contract price which the owner or occupant is charged is four dollars for every load, or part of a load, of eighty cubic feet. An order box for the removal is kept at the Police Station on Bow street.

The collection of night soil during the year has been very small, as the old-fashioned privy-vaults have been almost entirely removed.

STABLES.

The following is a copy of an Act of the Legislature of 1895, Chapter 213, relating to the licensing and regulating of stables in cities : —

SECTION 1.—No person shall hereafter erect, occupy, or use for a stable, any building in any city whose population exceeds 50,000, unless first licensed so to do by the Board of Health of said city, and in such case only to the extent so licensed.

SECTION 2.—The foregoing provisions shall not be construed to prevent any such occupation and use which may be authorized by law at the time of the passage of this Act, to the extent and by the person or persons so authorized; provided, however, that the Board of Health, of any such city, may make such regulations or orders respecting the drainage, ventilation, number of animals, and the storage and handling of manure, in any existing stables in their respective cities as in their judgment the public health requires.

SECTION 3.—Whoever violates the provisions of this Act, or of any regulation or order made pursuant thereto, shall be punished by a fine of five dollars for each day such offence continues; and any court having equity jurisdiction may restrain any such erection, occupation, or use contrary to the provisions of this Act. (Approved April 4, 1895.)

The number of petitions received for licenses to erect stables, under the above law, was fifty-five.

Number granted	37
Number refused	18

DEATHS.

There were eight hundred and thirty-eight deaths and fifty-four stillbirths in the city during the year, as specified in the following table, which shows a decrease of deaths from the previous year of thirty-five.

Deaths of children under one year of age	161
“ “ “ over one year and under five years	90
“ at McLean Asylum during the year	15
“ “ Somerville Hospital during the year	32
“ “ Home for Aged Poor	27

MORTALITY IN SOMERVILLE IN 1895.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
ZYMOTIC DISEASES.													
MIASMATIC.													
Scarlet fever	8	5	2	1	...	...	1	...	...	...	...	...	17
Diphtheria	4	1	6	6	4	...	2	3	2	3	4	8	43
Typhoid fever . . . . .	...	1	1	...	...	1	...	2	...	4	...	1	10
Erysipelas	1	...	...	1	...	...	...	...	...	...	...	...	2
Diarrhœa . . . . .	...	1	...	...	...	...	1	2	2	...	...	...	6
Cholera morbus . . . . .	...	...	...	...	...	...	...	1	...	...	...	...	1
Cholera infantum . . . . .	...	...	...	...	1	2	4	13	10	1	1	...	32
Whooping cough . . . . .	...	...	1	...	...	...	...	...	...	1	...	...	2
Dysentery . . . . .	...	...	...	...	...	1	1	...	...	1	...	...	3
Rheumatism . . . . .	...	...	...	...	1	1	...	...	...	...	...	...	2
Croup . . . . .	...	...	...	1	...	...	1	...	...	1	1	2	6
La grippe	2	6	...	...	...	...	...	...	...	...	...	...	8
Meningitis	2	2	5	2	2	1	...	3	2	3	1	...	23
Measles . . . . .	...	1	...	...	...	...	...	...	...	...	...	...	1
CONSTITUTIONAL DIS-EASES.													
DIATHETIC.													
Anæmia	1	2	...	...	...	...	...	1	...	...	...	...	4
Cancer	4	...	2	1	3	4	3	1	1	3	3	2	27
Tumor . . . . .	...	...	...	...	...	...	...	1	...	1	...	2	4
TUBERCULAR.													
Tuberculosis	1	2	2	...	1	2	1	2	2	1	2	...	16
Tubercular meningitis . . . . .	...	...	1	2	1	...	...	...	1	1	...	1	7
Phthisis	7	9	6	10	15	9	7	7	4	4	9	4	91
LOCAL DISEASES.													
NERVOUS SYSTEM.													
Apoplexy	3	1	...	6	...	1	3	1	4	2	1	4	26
Paralysis	2	1	1	...	...	1	2	4	...	2	3	2	18
Insanity . . . . .	...	1	...	...	...	...	...	...	...	...	...	...	1
Brain diseases	3	2	...	...	3	1	2	...	1	...	1	2	15
Convulsions	1	1	1	2	1	...	1	...	...	...	3	2	12
Spinal disease	1	...	...	...	...	...	...	...	...	...	...	1	2
Hemiplegia	1	...	1	...	...	...	...	...	...	...	...	...	2
Epilepsy . . . . .	...	1	...	...	...	...	...	...	...	...	...	...	1
Myelitis . . . . .	...	1	...	...	...	...	1	1	...	1	...	...	4
ORGANS OF CIRCULATION.													
Heart disease	4	6	8	5	12	1	2	2	4	2	6	8	60
Aneurism . . . . .	...	...	...	1	...	...	...	...	...	...	...	...	1
Angina pectoris	2	...	...	...	...	...	...	...	...	...	...	...	2
Cyanosis . . . . .	...	...	...	1	...	1	...	1	...	1	...	...	4
Hypertrophia . . . . .	...	...	1	...	...	...	...	1	...	...	...	...	2
RESPIRATORY ORGANS.													
Pneumonia	16	24	11	6	5	3	1	3	2	8	11	9	99
Bronchitis	4	5	2	1	1	1	...	1	1	5	...	...	21
Hemorrhage . . . . .	...	...	1	...	...	1	...	1	1	1	...	1	6
Pleurisy . . . . .	...	...	1	...	1	...	...	...	...	...	...	...	2
Asthma . . . . .	...	...	...	...	...	...	...	...	1	...	...	...	1
Laryngitis . . . . .	...	...	1	...	...	...	...	1	...	...	...	...	2
Pulmonary œdema . . . . .	...	...	...	1	...	...	1	...	1	...	...	...	3
Emphysema . . . . .	...	1	...	...	...	...	...	1	1	...	...	1	4

MORTALITY IN SOMERVILLE IN 1895.— *Concluded.*

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
LOCAL DISEASES.													
DIGESTIVE ORGANS.													
Gastritis			1			2		3	1	1			8
Peritonitis		1	2		1		1	2				1	8
Hepatitis			2					1	1		1		5
Liver disease										1			1
Gastric ulcer				1		1		1					3
Enteritis		1		1		1		2	8	1		3	17
Hæmatemesis			1				1	1					3
Hernia	1		1				1						3
Jaundice					1			1				1	3
Appendicitis	1			2	1	1		1			1		7
Cirrhosis	2	1		1			1						5
GENITO-URINARY ORGANS.													
Bright's disease	2		1	5	2	2	2	1	2	2		2	21
Diabetes					1	1			1		1	2	6
Cystitis	1	1	1		1				1				5
Nephritis	2	2	1	1	1			2			2	2	14
Childbirth									1			1	2
Eclampsia					1				1				2
INTEGUMENTARY SYSTEM.													
Abscess	1		1	1				2				1	6
Pemphigus			1				1						2
Eczema				1	1					1			3
DEVELOPMENTAL DISEASES.													
OF CHILDREN.													
Inanition	2	3	2	2		1	2	2	2	2	2	3	23
Premature birth and congenital debility	2	2	2		4	2	4	3	1	2	3	1	26
OF OLD PEOPLE.													
Old age	1	8	4	10	1	2	1	3	2	4	2	2	40
VIOLENT DEATHS.													
Railroad		1			1		1		1			1	5
Suicide			1	1		1		1			1	1	6
Accidental poisoning	1		1		1	1							4
Asphyxia		1					2						3
Accidental drowning						1				1			2
Burning		1					1					1	3
Alcoholism					1		1		2				4
Concussion of brain					1							1	2
Fracture of hip		1	1										2
Surgical operation	1												1
Total	84	97	77	73	70	47	55	85	58	60	62	70	838
Stillborn	4	8	6	5	2		6	4	2	6	4	7	54

Population (estimated) 52,600
 Death rate per thousand 15.9

DISEASES DANGEROUS TO THE PUBLIC HEALTH.

This Board has adjudged small pox, scarlet fever, diphtheria, typhus fever, and typhoid fever to be contagious and dangerous to the public health, within the meaning of the statutes. Physicians are required to report immediately to the Board, every case of either of these diseases coming under their care, and postal cards conveniently printed and addressed, are supplied to them for the purpose.

Scarlet Fever.—Two hundred and seventeen cases of scarlet fever have been reported during the year, seventeen of which resulted fatally. In 1894 there were four hundred and fifty-two cases, fifty-one of which resulted fatally.

Diphtheria.—Two hundred and forty-six cases of diphtheria have been reported during the year, forty-three of which were fatal. In 1894 there were one hundred and ten cases, twenty-eight of which proved fatal. Warning cards are used in dealing with scarlet fever and with diphtheria, and the premises are fumigated immediately after the termination of a case. An inspection is made by the agent of the Board, of the premises where diphtheria is reported, and all sanitary defects discovered are required to be remedied as soon as possible.

Typhus Fever.—This disease has not appeared in our city during the past year.

Typhoid Fever.—Sixty-one cases of typhoid fever have been reported during the year, ten of which have proved fatal. In 1894 there were fifty-eight cases reported, thirteen of which were fatal.

Small Pox.—The city has been free from this disease during the year.

Tables.—The prevalence of scarlet fever, diphtheria and typhoid fever in the city during the several months of the year 1895 is shown by the following table, and in the table next following is given the number of deaths from these three diseases, by months, during the last ten years:—

SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER
REPORTED IN 1895.

MONTHS.	SCARLET FEVER.			DIPHTHERIA.			TYPHOID FEVER.		
	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.
January . . .	44	8.	18.1	12	4	33.3	7	....	14.2
February . . .	51	5	9.8	6	1	16.6	1	1	100.
March	23	2	8.7	20	6	30.	....	1	....
April	20	1	5.	27	6	22.2	2	....	....
May	18	....	....	23	4	17.	2	....	....
June	12	....	....	6	....	....	1	1	100.
July	10	1	10.	7	2	28.5	4	....	....
August	3	....	....	7	3	42.8	4	2	50.
September . . .	12	....	....	17	2	11.8	7	....	....
October	7	....	....	31	3	9.	21	4	19.
November . . .	12	....	....	34	4	12.	8	....	....
December . . .	5	....	....	56	8	14.3	4	1	25.
Total	217	17	8.	246	43	71.4	61	10	16.4

DEATHS FROM SCARLET FEVER, DIPHTHERIA, AND TYPHOID
FEVER IN THE LAST TEN YEARS.

MONTHS.	SCARLET FEVER.										DIPHTHERIA.										TYPHOID FEVER.									
	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.
January . .	..	1	5	..	..	..	..	1	7	8	1	2	1	1	2	2	2	2	2	4	..	..	3	..	1	..	..	2	..	..
February . .	..	..	3	1	2	..	..	..	3	5	2	1	3	..	2	..	..	1	3	1	..	..	..	..	1	2	..	..	1	..
March . . .	1	1	4	1	1	..	3	..	7	2	..	..	4	2	..	..	..	2	4	6	..	2	..	..	1	..	..	..	1	..
April . . . .	..	..	1	..	..	..	2	..	3	1	1	1	3	2	1	1	2	2	1	6	..	1	..	1	2	2	..	1	..	..
May	2	1	1	..	..	1	4	..	7	..	4	..	1	6	1	1	1	2	3	4	..	1	..	..	1	..	..	2	..	..
June . . . .	..	1	1	1	1	1	..	4	..	1	2	..	1	4	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	..
July . . . . .	..	..	..	1	..	1	..	..	4	1	1	..	2	1	4	1	..	..	1	2	..	1	2	2	..	1	..	1	..	..
August . . .	..	..	..	..	..	..	..	3	..	..	..	..	..	1	1	..	..	..	4	3	..	2	..	2	1	1	3	1	2	..
September .	..	..	..	..	..	..	2	1	..	..	2	1	1	1	..	3	..	1	..	2	..	1	4	2	1	2	4	2	2	..
October . . .	..	6	..	1	..	..	1	..	3	..	2	3	4	2	3	3	..	1	4	3	2	1	3	1	1	2	3	3	4	..
November . .	..	11	..	2	..	..	..	9	7	..	2	1	4	1	3	4	1	2	5	4	1	2	3	..	1	3	..	2	2	..
December . .	..	10	..	..	1	..	3	7	2	..	3	2	1	5	2	3	..	..	1	8	..	..	2	..	..	2	2	2	1	..
Total . . .	3	31	15	7	5	2	14	19	51	17	20	11	21	28	21	18	8	11	28	43	3	11	17	7	10	11	11	13	13	10

MAP OF
SOMERVILLE

1896

SHOWING HEALTH DISTRICTS.

0 200 400 600 800 1000 1500 2000 2500 3000 3500 4000 4500 5000
FATHOMS



SEWERS SHOWN THUS ———

DISTRICTS.

The accompanying map shows the boundaries of the ten health districts into which the city was divided by the Board of Health of 1878; also the locations of common sewers.

A record has been kept from year to year of the number of deaths, the death rate per thousand, the prevalence of dangerous diseases and the number of nuisances abated in these several districts, and is continued in the following tables.

The estimated population in the several districts was originally based on the number of assessed polls in each, and upon the population of the entire city; the ratio of polls to population being presumed to be the same in all the districts. Substantially the same method of estimating the population has been continued, the census of every fifth year being taken as a basis for calculation.

We have obtained the number of dwellings and of assessed polls, May 1, 1895, from the assessors' books, by actual count, as was also done for the year 1894, instead of assuming, as had been done in former years, that their increase was uniform throughout the city.

TABLE OF DEATHS IN EACH DISTRICT DURING THE LAST TEN YEARS, EXCLUSIVE OF DEATHS IN THE McLEAN ASYLUM.

Districts	I.		II.		III.		IV.		V.		VI.		VII.		VIII.		IX.		X.		Entire City.	
	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.		
Area	337 A.		107 A.		93 A.		171 A.		361 A.		285 A.		194 A.		482 A.		174 A.		456 A.		2,660 A.	
Population	6,936		5,382		4,504		5,357		10,418		5,278		6,389		2,410		3,617		2,309		52,600	
Dwellings	1,034		961		771		923		1,929		1,031		1,160		459		707		554		9,529	
Average in each dwelling	6.7		5.6		5.8		5.7		5.4		5.1		5.5		5.3		5.1		4.1		5.5	
YEAR.	I.		II.		III.		IV.		V.		VI.		VII.		VIII.		IX.		X.		Number of Deaths.	Rate per 1,000.
	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.		
1886	115	20	51	9	38	17	59	15	85	14	37	28	44	13	11	11	20	11	19	24	479	15
1887	182	29	64	9	45	19	81	19	87	13	37	25	62	17	20	19	26	14	12	14	606	18
1888	148	23	68	11	44	18	62	14	117	18	33	22	50	13	16	14	28	14	13	15	579	16
1889	125	16	67	9	48	17	85	17	105	14	28	17	62	15	19	15	26	12	17	17	582	15
1890	140	19	69	9	48	17	94	19	139	18	46	27	59	14	27	22	26	12	15	15	663	16
1891	169	22	71	9	68	23	103	20	120	15	75	42	77	17	33	25	33	14	12	12	761	18
1892	139	17	75	9	42	13	76	14	144	16	65	34	59	12	27	19	44	17	25	22	696	16
1893	161	18	80	9	63	16	94	16	180	20	64	20	72	14	23	13	26	9	27	18	790	15
1894	157	22	66	12	86	19	117	21	188	18	70	13	64	10	43	17	37	10	27	11	855	16
1895	136	19	76	14	91	20	94	17	184	17	77	15	67	16	29	12	29	8	40	17	823	16
Average death rate per 1,000 for ten years.	....	20	....	10	....	18	....	17	....	15	....	24	....	14	....	17	....	12	....	16	....	16

TABLE SHOWING THE FIVE PRINCIPAL CAUSES OF DEATH IN
SOMERVILLE IN 1895, WITH THE NUMBER AND RATE
IN EACH DISTRICT.

DISTRICTS.	PNEUMONIA.		PHTHISIS.		HEART DISEASE.		DIPHThERIA		OLD AGE.	
	Number of Deaths.	Number per 1,000 of pop.	Number of Deaths.	Number per 1,000 of pop.	Number of Deaths.	Number per 1,000 of pop.	Number of Deaths.	Number per 1,000 of pop.	Number of Deaths.	Number per 1,000 of pop.
I.	24	3.46	15	2.16	9	1.21	7	1.01	7	1.01
II.	5	0.93	10	1.86	6	1.11	6	1.11	5	0.93
III.	14	3.11	13	2.88	3	0.66	3	0.66	4	0.88
IV.	12	2.24	11	2.05	7	1.30	9	1.68	4	0.74
V.	22	2.11	13	1.25	14	1.34	13	1.25	12	1.15
VI.	5	0.94	9	1.70	3	0.57	2	0.38	3	0.57
VII.	8	1.25	10	1.57	8	1.25	2	0.31	2	0.31
VIII.	3	1.24	2	0.83	5	2.08	....	....	1	0.41
IX.	5	1.38	4	1.11	3	0.83	1	0.28	....	....
X.	1	0.43	4	1.73	2	0.87	....	....	2	0.87
Total	99	1.88	91	1.73	60	1.14	43	0.81	40	0.76

TABLE OF SCARLET FEVER, DIPHThERIA, AND TYPHOID
FEVER IN EACH DISTRICT IN 1895.

DISTRICTS.	SCARLET FEVER.				DIPHThERIA.				TYPHOID FEVER.			
	Cases Reported.	Deaths.	Cases per 1,000 of pop.	Deaths per 1,000 of pop.	Cases Reported.	Deaths.	Cases per 1,000 of pop.	Deaths per 1,000 of pop.	Cases Reported.	Deaths.	Cases per 1,000 of pop.	Deaths per 1,000 of pop.
I.	31	6	4.47	0.86	36	7	5.19	1.01	6	....	0.86	....
II.	16	1	2.10	0.19	23	6	4.27	1.11	10	4	1.86	0.74
III.	24	1	5.32	0.22	35	3	7.77	0.66	6	....	1.33	....
IV.	29	4	5.41	0.74	30	9	5.60	1.68	8	2	1.49	0.37
V.	43	1	4.13	0.09	63	13	6.05	1.25	5	3	0.48	0.29
VI.	16	1	3.03	0.19	11	2	2.08	0.38	3	....	0.57	....
VII.	18	2	2.81	0.31	22	2	3.44	0.31	7	....	1.09	....
VIII.	11	....	4.52	....	6	....	2.49	....	4	....	1.66	....
IX.	10	....	2.77	....	9	1	2.49	0.28	6	1	1.65	0.28
X.	19	1	8.23	0.43	11	....	4.76	....	6	....	2.60	....
Total	217	17	4.12	0.32	246	43	4.68	0.81	61	10	1.16	0.19

RATES PER THOUSAND OF POPULATION OF CASES OF SCARLET FEVER, DIPHtheria, AND TYPHOID FEVER
REPORTED, AND OF DEATHS FROM THE SAME IN THE LAST SEVEN YEARS.

DISTRICTS.	1889.			1890.			1891.			1892.			1893.			1894.			1895.			AVERAGE FOR SEVEN YEARS		
	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.
I. . .	4.24	3.24	3.11	3.55	1.51	0.82	2.05	1.80	0.77	6.43	0.83	0.95	8.86	1.13	1.36	13.98	1.44	1.15	4.47	5.19	0.86	6.23	2.16	1.29
Deaths . .	0.28	0.84	0.42	....	0.55	0.14	....	0.38	....	0.36	0.12	0.12	0.57	0.23	0.11	2.73	0.57	0.14	0.86	1.01	....	0.40	0.39	0.14
II. . .	2.32	2.17	1.01	0.42	2.37	0.69	0.79	1.45	1.18	9.75	0.49	0.37	4.07	0.93	1.04	4.45	1.30	0.74	2.10	4.27	1.86	3.41	1.85	0.98
Deaths . .	....	0.43	0.29	....	0.42	0.28	....	0.66	0.39	0.37	0.24	....	....	0.23	0.47	....	0.18	0.18	0.19	1.11	0.74	0.08	0.47	0.34
III. . .	1.19	1.11	4.11	7.97	3.18	1.09	8.53	4.44	2.39	11.38	1.89	0.95	9.58	0.79	1.59	11.98	4.44	1.33	5.32	7.77	1.33	7.99	3.38	1.83
Deaths . .	0.37	....	....	....	0.73	0.37	0.34	1.02	0.61	0.63	0.95	0.31	0.53	0.27	....	1.99	1.33	....	0.22	0.66	....	0.58	0.71	0.18
IV. . .	1.24	2.52	0.84	3.28	6.57	1.03	3.47	1.35	1.16	5.19	0.89	0.36	5.70	0.35	0.34	14.37	3.73	0.74	5.41	5.60	1.49	5.52	3.01	0.86
Deaths . .	0.88	0.63	0.21	0.21	1.64	....	0.19	0.39	0.39	0.36	0.18	....	0.86	....	0.17	2.24	1.49	0.18	0.74	1.68	0.37	0.78	0.87	0.19
V. . .	4.04	4.58	0.95	6.34	2.34	0.91	3.65	1.22	0.97	7.78	1.02	3.83	5.47	1.13	1.71	5.75	2.49	1.34	4.13	6.05	0.48	5.31	2.69	1.46
Deaths . .	....	0.94	0.13	0.26	0.26	0.26	....	....	0.12	0.34	0.11	0.56	0.11	0.23	0.57	0.38	0.07	0.38	0.09	1.25	0.29	0.17	0.49	0.33
VI. . .	3.65	0.61	2.43	6.58	4.19	2.39	2.25	0.56	2.81	14.57	2.08	4.16	6.26	1.56	1.25	9.85	0.94	0.94	3.03	2.08	0.57	6.59	1.72	2.08
Deaths . .	....	....	....	....	0.59	1.19	....	0.56	0.56	....	....	0.52	0.62	0.31	....	0.75	....	....	0.19	0.38	....	0.23	0.27	0.35
VII. . .	3.45	4.68	0.41	5.26	3.37	0.95	1.80	0.88	2.47	9.17	....	1.46	4.59	1.39	0.79	4.69	....	0.62	2.81	3.44	1.09	4.54	1.97	1.11
Deaths . .	....	0.98	....	....	....	0.24	....	0.45	....	0.21	....	0.21	0.19	0.19	0.19	0.15	....	0.31	0.31	0.31	....	0.12	0.21	0.20
VIII. . .	2.49	4.14	....	3.27	4.08	1.63	....	3.06	1.53	4.96	0.71	....	5.68	1.13	1.70	8.29	4.56	0.82	4.52	2.49	1.66	4.18	2.89	1.05
Deaths . .	....	0.83	....	....	....	0.81	....	0.76	....	....	....	....	0.57	....	0.65	0.41	0.82	0.41	....	....	....	0.14	0.34	0.27
IX. . .	....	4.63	1.85	1.79	2.23	0.45	4.20	2.94	....	7.79	0.78	2.73	5.59	1.75	2.73	6.35	1.38	1.92	2.77	2.49	1.65	4.07	2.31	1.62
Deaths . .	....	....	....	....	0.45	....	....	0.42	....	....	....	0.78	....	....	....	0.27	....	0.55	....	0.28	0.28	0.04	0.17	0.23
X. . .	2.10	8.40	....	4.13	1.03	2.06	9.71	0.97	....	3.59	0.90	1.80	8.89	2.73	....	6.49	2.59	1.73	8.23	4.76	2.60	6.17	3.06	1.17
Deaths . .	....	4.20	....	....	1.03	....	....	0.97	....	....	....	....	1.36	1.37	....	....	....	....	0.43	....	....	0.26	1.08	....
City . .	4.94	3.34	1.57	4.01	2.89	0.97	2.97	1.62	1.26	8.06	0.85	1.61	6.28	1.12	1.18	8.59	2.09	1.10	4.12	4.68	1.16	5.57	2.37	1.27
Deaths . .	0.18	0.72	0.18	0.07	0.54	0.24	0.05	0.42	0.25	0.30	0.17	0.24	0.38	0.22	0.26	0.96	0.53	0.24	0.32	0.81	0.19	0.32	0.49	0.24

NUISANCES ABATED IN EACH DISTRICT IN 1895.

	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Total.
Population (estimated) . . .	6,936	5,382	4,504	5,357	10,418	5,278	6,389	2,410	3,617	2,309	52,600
Cellar damp	12	1	4	5	3	2	1	2	1	.....	31
Cesspool offensive	1	.....	.....	.....	.....	1	1	3	1	.....	7
Cesspool overflowing	5	.....	.....	.....	.....	.....	2	1	.....	.....	8
Connections of drainage pipes defective	8	2	4	3	3	1	.....	1	1	1	24
Cow-barn offensive . . . . .	.....	.....	.....	1	.....	.....	.....	1	.....	.....	2
Drainage defective	10	1	3	3	3	2	1	2	1	1	27
Drainage emptying into cellar.	5	1	2	2	.....	.....	.....	1	1	.....	12
Drainage emptying on surface.	6	1	1	3	1	.....	1	.....	.....	1	14
Drainage not ventilated	2	.....	.....	2	.....	1	.....	.....	.....	1	6
Drain-pipe defective	5	1	2	3	2	4	1	1	.....	.....	19
Feeding cows on decayed fruit. . . . .	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
Goats kept without license	2	.....	.....	.....	.....	2	.....	.....	.....	.....	4
Goats kept in cellar	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Hennerly offensive	1	.....	1	1	.....	1	1	.....	.....	1	6
Hens kept in cellar	3	.....	2	2	.....	1	.....	.....	1	.....	9
Horse-shed offensive . . . . .	.....	.....	.....	.....	1	1	.....	1	.....	.....	3
Manure exposed and offensive.	11	1	2	1	2	4	3	2	1	1	28
Manure-pit defective	7	1	1	2	.....	5	4	1	1	2	24
Offal on land	4	.....	1	1	1	2	1	2	.....	1	13
Offensive odor in and about dwellings	11	1	1	3	1	2	2	1	1	1	24
Opening in drain-pipe in cellar.	6	1	2	1	.....	3	1	1	.....	1	16
Pigs kept without license	2	1	.....	3	3	1	1	2	1	.....	14
Premises filthy	12	.....	.....	1	.....	1	.....	.....	.....	.....	14
Premises untidy	16	1	3	4	2	2	3	2	1	1	35
Privy-vault defective	10	.....	2	3	1	4	2	2	1	1	26
Privy-vault full	22	1	6	7	5	12	6	8	2	3	72
Privy-vault offensive	91	5	8	16	15	20	3	5	1	2	166
Rabbits kept in cellar . . . . .	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Rubbish in cellar	8	1	.....	2	.....	2	.....	1	.....	1	15
Rubbish under stable	4	.....	1	.....	1	1	1	.....	.....	.....	8
Sewage flowing under floor	5	1	.....	2	.....	2	1	.....	1	.....	12
Sewer gas in house	11	2	3	2	2	4	.....	1	2	1	28
Slops thrown on surface	5	.....	1	.....	.....	2	2	.....	1	1	12
Stable infected with glanders.	2	.....	.....	.....	1	1	1	1	.....	.....	6
Stable and stable premises filthy and offensive	3	.....	1	1	.....	1	.....	1	.....	.....	7
Stable without drainage	4	2	.....	.....	.....	1	1	1	.....	.....	9
Stagnant water on surface	2	.....	1	.....	1	.....	1	.....	.....	1	6
Waste-pipe defective	6	1	2	4	3	4	2	2	3	3	30
Waste-pipe not trapped	5	.....	1	4	1	1	.....	.....	.....	1	13
Water-closet defective	10	1	1	2	2	1	2	1	1	2	23
Water-closet insufficiently supplied with water	5	.....	1	.....	1	2	1	.....	1	.....	11
Water closet offensive	4	.....	.....	1	.....	.....	.....	1	.....	1	7
Water in cellar	3	1	3	.....	1	.....	1	.....	1	.....	10
Water under stable	2	.....	2	2	1	1	1	1	.....	.....	10
Total	332	28	62	87	57	96	48	50	25	29	814

APPROPRIATION FOR HEALTH DEPARTMENT AND EXPENDITURES THEREFROM, 1895.

CREDIT.

Appropriation \$21,000.00

Receipts:—

For permits to keep swine and goats	
and to collect grease . . .	212.00
Sale of offal to Hannibal S. Pond	800.00
Rebate, contagious disease, 1894	408.70
Ashes, sold sundry persons .	49.10
	<hr/>
Total credit	\$22,469.80

DEBIT.

Expenditures:—

For Agent's salary	\$ 1,200.00	
Salary of Superintendent of col-		
lection of ashes and offal .	925.00	
Collecting ashes	5,041.00	
Collecting offal	10,487.11	
Burying dead animals	99.50	
Stable expenses (including re-		
pairs and lighting)	1,160.23	
Vaccine virus	22.65	
Oil of peppermint	12.87	
Wagons and sleds and repairing		
same	2,276.00	
Horses	2,749.39	
Harnesses and horse clothing .	949.32	
Hay, straw and grain	2,638.93	
Horse shoeing	341.81	
Repairing house for contagious		
diseases, etc.	66.15	
	<hr/>	<hr/>
<i>Amounts carried forward</i>	\$27,969.96	\$22,469.80

<i>Amounts brought forward</i>	\$27,969.96	\$22,469.80
Books, stationery, printing and postage	206.95	
Tools, and repairing same	109.52	
Incidentals	371.08	
	<hr/>	\$28,657.51
Amount overdrawn		<hr/> \$6,187.71

ALVANO T. NICKERSON, *Chairman*,
ALLEN F. CARPENTER,
ALVAH B. DEARBORN,
Board of Health.

I

REPORT

OF THE

OVERSEERS OF THE POOR.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, February 12, 1896.

Referred to Committee on Printing, to be printed in the annual reports, and sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, February 13, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports, in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

BOARD OF OVERSEERS OF THE POOR.

HON. WILLIAM H. HODGKINS, *Chairman, ex officio.*

HERBERT E. MERRILL Ward One

EDWARD B. WEST, *President* Ward Two

EZRA D. SOUTHER Ward Three

ALBERT W. EDMANDS Ward Four

COMMITTEES.

ON INVESTIGATION AND RELIEF. —Mr. West and Mr. Merrill.

ON FINANCE. —Mr. Edmands and Mr. Souther.

CHARLES C. FOLSOM, *General Agent.*

CORA F. LEWIS, *Secretary.*

ALVAH B. DEARBORN, M. D., *City Physician.*

Office: Police building, Bow st.

CITY OF SOMERVILLE.

OFFICE OF OVERSEERS OF THE POOR, }
POLICE BUILDING, BOW ST., January 1, 1896. }

TO THE HONORABLE, THE MAYOR, AND THE CITY COUNCIL OF THE
CITY OF SOMERVILLE : —

Gentlemen,—The annual report of the Overseers of the Poor, with the annexed tables, is herewith submitted. The membership of the Board remains the same as in the last part of the year 1894.

The year 1895 has not been an exceptional one in the working of this department. The relations of the members and the executive officers have been cordial and pleasant, and we believe the work has been alike satisfactory to the tax payers and to the poor people of the city. Two hundred and forty-nine families and 983 persons have been relieved or entirely supported, as the necessity of the case required. Thirty-nine persons have been supported in insane hospitals and private families during the entire year, and twenty-eight others during some part of the year.

December 31, 1895, there were fifty-two in hospitals and four in private families.

We are dependent largely upon other cities and towns for the support of our sane paupers, especially those who are disagreeable, and those who have no friends. We have, at present, three in the Boston Almshouse, two in Malden, two in Peabody, one in Lowell, and four in Tewksbury. We also have thirteen in private families. The number fully supported, both in almshouses and private families, varies from time to time, some remaining but a short time, while others are there year after year, or for life.

We are fully supporting, in private families and almshouses, December 31, 1895, twenty-nine sane persons. To this number could be added about one half of our insane, who are mild and quiet,

making about fifty-five, who should be in an almshouse of our own. To this total there would probably be added some six or eight persons who are now aided in their homes, but should be in some institution where they would be kept clean and comfortable and be under some restraint. The City Council has been asked nearly every year since the Board's reorganization in 1885, to provide some place of shelter for the poor. This has not yet been done, but we hope it will be very soon, as we need such a place more and more each year.

The following court decision, which is a very important one to our department, we ask to have inserted in our annual report, as we wish to have it on file for reference, also for distribution among those particularly interested in the poor and the poor-laws.

CITY OF NORTHAMPTON *vs.* INHABITANTS OF
PLAINFIELD.

HAMPSHIRE, November, 1895.

POOR AND POOR LAWS — SUPPORT OF LUNATIC — NOTICE.

This was an action of contract to recover the expenses incurred by the plaintiff, for the support in the Northampton Lunatic Hospital, of a pauper, who resided, at the time of her commitment, in Northampton, but whose place of settlement was alleged to be in Plainfield. At the trial in the Superior Court, before *Hopkins, J.*, the court refused to rule as requested by plaintiff, that the latter could recover the entire amount claimed, but ruled that plaintiff could recover only for the expenses incurred within three months next before the notice, and plaintiff accepted. The facts material to the point decided are stated in the opinion.

A. E. Addis, for the plaintiff.

F. R. Shaw, for the defendant.

OPINION.

LATHROP, J. The question in this case is whether the plaintiff is entitled to recover the full amount expended by it for the support of the lunatic pauper, from the date of her commitment to the Northampton Lunatic Hospital on October 11, 1892, to the date of the writ, June 21, 1894, or whether it is entitled to recover only for the expenses incurred within three months next before the notice given by the plaintiff to the defendant, which was on November 18, 1892.

By the Pub. Sts. c. 87, § 34, "Every city or town paying expenses for the support or removal of a lunatic committed to either hospital shall have like rights and remedies to recover the full amount thereof, with interest and costs, of the place of his settlement, as if such expenses had been incurred in the ordinary support of the lunatic."

This statute had its origin in the St. of 1834, c. 150, § 7, which related to State Lunatic Hospital at Worcester. Section 7 gave a right of action to the trustees for the support of a patient committed to the hospital, and for his removal, against the town or city where the patient resided at the time of the application for commitment, and further provided as follows:—"And such town or city shall have the same rights and remedies against all corporations and persons, to recover such expense of supporting and removing any pauper lunatic, as if such expense had been incurred by said town or city in the ordinary support of such lunatic." This was incorporated in the Rev. Sts. c. 48, § 10.

By the St. of 1841, c. 77, it was enacted as follows: "Whenever any lunatic or insane person shall be committed to the State Lunatic Hospital at Worcester, from any town wherein he has not a legal settlement, and such town shall pay the expense of his support at said hospital, such town may recover from the town in which he has a legal settlement, the full amount of all the expense so paid to said hospital."

This statute was combined with the Rev. Sts. c. 48, § 10, in the Gen. Sts. c. 73, § 25, where the language is the same as it now appears in the Pub. Sts. c. 87, § 34, the St. of 1841 being expressly repealed by the Gen. Sts. c. 182.

In *Taunton v. Wareham*, 153 Mass. 192, 195, this court, speaking of the Pub. Sts. c. 87, § 34, said: "It was intended by the Legislature to give to towns paying the expenses of a lunatic committed to either State hospital the same rights and remedies against the place of his settlement, as if the expenses had been incurred in the ordinary support of a pauper, and the same rules of law apply as if this had been a suit to recover the expense of the ordinary support of a pauper." We have no doubt of the correctness of this statement of the law which is supported by abundant authority. See *Waltham v. Brookline*, 119 Mass. 479, and cases cited. The precise point involved in the case at bar was also decided in *Taunton v. Wareham*, in favor of the defendant, without any discussion, relying upon the case of *Amherst v. Shelburne*, 11 Gray, 107, as a precedent, and the plaintiff asks us to review these cases on this point. The importance of the question involved to the towns of this Commonwealth has induced us to yield to this request, and to examine the statutes and authorities bearing upon the question anew.

By the Pub. Sts. c. 84, § 14, "The overseers of the poor, in their respective places, shall provide for the immediate comfort and relief of all persons

residing or found therein, having lawful settlements in other places, when they fall into distress and stand in need of immediate relief, and until they are removed to the places of their lawful settlements; the expense whereof incurred within three months next before notice given to the place to be charged, as also of their removal, or burial in case of their decease, may be recovered by the place incurring the same against the place liable therefor, in an action at law to be instituted within two years after the cause of action arises, but not otherwise." This section, in substantially its present form, has been in force since the St. of 1793, c. 59, § 9. See Rev. Sts. c. 46, § 13, Gen. Sts. c. 70, § 12.

Further provisions as to notice are contained in the Pub. Sts. c. 84, §§ 28, 29, but they throw no light on the question involved, and they need not be stated. These provisions also have been in force since the St. of 1793 took effect. Statutes of 1793, c. 59, § 12; Rev. Sts. c. 46, sections 19, 20; Gen. Sts. c. 70, sections 17, 18.

It thus appears that the statutory provisions having any bearing upon the question before us have been the same since the enactment of the St. of 1793.

In the earlier cases in this Commonwealth, it was assumed, without discussion, that where a pauper, having a settlement in one town, became a charge on another town, if the town furnishing support duly notified the town of settlement, and the pauper continued to be a charge, only one notice was necessary to hold the town where the pauper had his settlement for the proper expenses incurred, from three months before the delivery of the notice down to the date of the writ, provided the action was brought within two years after the date of the notice. *Marlborough v. Rutland*, 11 Mass. 483, 485; *Harwich v. Hallowell*, 14 Mass. 184; *Uxbridge v. Seekonk*, 10 Pick. 150.

In *Attleborough v. Mansfield*, 15 Pick. 19 the expenses were incurred from October 10, 1826, to the last of June, 1827. Notice was given on October 18, 1826. The defendant contended that it was not liable for any expense incurred after the notice of October 18, 1826, for the reason that the aid furnished was not continuous, and it had received no subsequent notice. It was held however, that the plaintiff was entitled to recover the full amount claimed. The St. of 1793, c. 159, sect. 9, was construed as limiting the right to recover "to a period commencing three months before, and continuing two years after notice given."

Before this case was decided, it had been held that, if the town furnishing the supplies had brought an action to recover them, it could not, without a new notice, recover for any expenses incurred after the bringing of the first action, *Hallowell v. Harwich*, 14 Mass. 186. And it was so held in *Walpole v. Hopkinton*, 4 Pick. 358, where the second action was brought while the first one was pending. So, too, it had been previously held that

if, after notice given, the town of the pauper's settlement provided for him, it was not further liable for subsequent expenses incurred by the town giving notice, without a new notice. *Sidney v. Augusta*, 12 Mass. 315. See also *Palmer v. Dana*, 9 Met. 587.

In *Attleborough v. Mansfield*, these exceptions to the general rule were recognized, but it was held that the fact that the aid in that case was not continuous did not bring the case within the exceptions, and that the general rule applied.

In *Topsfield v. Middleton*, 8 Met. 564, the writ, as appears from the original on file in the clerk's office, was dated May 8, 1841, the notice was given on March 24, 1840, and the plaintiff sought to recover for supplies furnished before the notice, and also for supplies furnished after the notice down to April 9, 1841. The defendant tendered the amount due for supplies furnished before the notice was given, and contested its liability for the supplies subsequently furnished on the ground that a new notice should have been given. This was the only question considered by the court, which held, Mr. Justice Dewey delivering the opinion, that no new notice was necessary, and that the plaintiff was entitled to recover the full amount claimed.

In *Commonwealth v. Dracut*, 8 Gray 455, under the Rev. Sts. c. 46, sect. 13, the law was assumed to be as above stated, and judgment in the case was rendered for the plaintiff accordingly.

In the first cases which arose under the St. of 1841, it was contended that the act in effect repealed the Rev. Sts. c. 46, sect. 13, but the court held that the only purpose of the act was to determine the measure of damages and to allow the full amount paid to the hospital; and that the act did not alter the law in regard to the time in which the action should be brought, or the length of time for which a town might recover, or the notice to be given. *Cummington v. Wareham*, 9 Cush. 585. Two actions between the same parties were tried together for the support of a pauper in the State Lunatic Hospital at Worcester. In the first case the plaintiff sought to recover the amounts paid by it to the hospital from December 15, 1848, to the date of the writ, which was January 15, 1850. Notice was given on March 15, 1849. It was held that the plaintiff was entitled to recover the full amount of its claim. In the second action, which was brought during the pendency of the first, on December 31, 1851, the plaintiff sought to recover the expenses paid to the hospital from December 2, 1844, the time of the commitment of the pauper to the hospital, to the date of writ, deducting the amount recovered in the first action. Notice was given on December 9, 1850, and it was held that the plaintiff could recover from three months prior to the notice, and down to the time of bringing the action. It was also held that the fact that the previous action was pending did not obviate the necessity of giving a new notice, and this on the

authority of the cases which we have already cited as establishing the exceptions to the general rule.

The language of Chief Justice Shaw on this point is as follows : " It remains to consider the claim for the period which elapsed between the commencement of the former suit and the time of the commencement of this suit. This depends on different considerations. The law is very explicit that for every new action a new notice must be given, even though a former action between the same parties is still pending. *Sidney v. Augusta*, 12 Mass. 316 ; *Walpole v. Hopkington*, 4 Pick. 358 ; *Uxbridge v. Seekonk*, 10 Pick. 150 ; " 9 Cush. 591. So far from the case holding that the plaintiff was limited to the three months before the second notice was given, it was expressly said by the Chief Justice : " We think, therefore, that the time for which alone the plaintiffs in this suit can recover must be computed from September 9, 1850, three months before the notice, down to the time of bringing this action [December 31, 1851], or the time when the defendant town assumed the charge of the pauper, whichever first occurred." 9 Cush. 591, 592.

In *Andover v. Easthampton*, 5 Gray, 390, the plaintiff sought to recover money which it paid to the State Lunatic Hospital at Worcester on December 2, 1854, for the support of a pauper at the hospital from December 1, 1848, to December 1, 1854. The writ was dated March 17, 1855. Notice was given on December 4, 1854. It was held that the plaintiff was entitled to recover. There is nothing in this case inconsistent with the preceding cases. The fact that the St. of 1841, c. 77, did not change the provisions of the Rev. Sts. c. 46, sect. 13, as to notice to the defendant, and the limitation of the action was expressly recognized. The point decided was that the plaintiff did not incur the expense until it paid the hospital, and that, as the payment was within three months before, and the action was brought within two years after the notice, it was seasonably brought.

In *Amherst v. Shelburne*, 11 Gray, 107, the writ was dated April 27, 1857. The plaintiff sought to recover money paid in March and December, 1856, for the support of a pauper at the State Lunatic Hospital at Worcester. The notice was sent to the defendant on November 28, 1854, and was as follows : " The treasurer of the State Lunatic Hospital at Worcester has presented to town of Amherst a bill of \$621.40 for board and articles of clothing furnished to Norman Smith from November 1, 1848, to June 1, 1854 ; six years past. We shall look to you to furnish us the money to pay this bill, and also for Smith's support since June 1, 1854, and as often as the bills at the hospital become due, which is, we believe, on the first of June and first of December in each year." The notice also set forth the fact in regard to the pauper's settlement.

The money paid by the plaintiff in March, 1856, was the \$621.40 specifically mentioned in the notice. It was held, as to this, that the plaintiff

could recover, on the authority of *Andover v. Easthampton*. As to the second item it was said by the court: "For the sum paid by the plaintiffs to the hospital, in addition to \$621.40, the defendants are not liable in this action, for the reason that they have not received any legal notice of the plaintiffs' claim thereto. *Cummington v. Wareham*, 9 Cush. 591."

The case of *Amherst v. Shelburne* is in some respects, an anomalous one. As to the first item, recovery was allowed although the action was not brought until more than two years after the notice was given, whereas the general rule is, that such an action must be brought within the two years. As to the second item, the court either misapprehended the language of Chief Justice Shaw, in *Cummington v. Wareham*, or decided that the plaintiff could not recover this item, because no notice in regard to it was given within two years of the bringing of the writ. We cannot regard the case as an authority for the position that the plaintiff, in an action on the statute, is limited to the expenses incurred within three months prior to the notice.

In *Worcester v. Northborough*, 140 Mass. 397, support was furnished by the plaintiff to a woman from December 28, 1881, to February 13, 1882. Board was also paid for a minor child on March 1, 1882. Notice was given on January 7, 1882. The writ was dated February 9, 1884. The plaintiff was allowed to recover only for the expenses incurred during the two years prior to the date of the writ, being for the board of the child and for four days' support of the woman. No notice is taken in the opinion in this case that the suit was not brought within two years after the notice was given; nor is any reason given why the plaintiff, if entitled to recover at all, was not entitled to recover for such period of time within the three months prior to the notice as aid was furnished. An examination of the briefs in this case shows that the attention of the court was not directed to either point.

In *Reading v. Malden*, 141 Mass. 580, aid was furnished by the plaintiff, from March 1, 1881, to April 1, 1882. Two notices were given, one on March 2, and the other on March 31, 1881. The writ was dated September 15, 1883. The plaintiff contended that it was entitled to recover because the aid was begun within three months before the notice, and was ended within two years before the action was brought; but the court held that as the action was brought more than two years after the notice it could not be maintained. It was said "that the cause of action arises at the time when the notice is given." The law as stated in *Attleborough v. Mansfield*, 15 Pick. 19, namely, that "the right to recover is expressly limited to a period commencing three months before and continuing two years after notice given," was cited with approval. It was also said of *Townsend v. Billerica*, 10 Mass. 411, *Hallowell v. Harwich*, 14 Mass. 186, and *Uxbridge v. Seekonk*, 10 Pick. 150: "These cases have not been overruled or modified by any subsequent cases."

This review of the authorities leads us to the conclusion that the case of Taunton *v.* Wareham, 153 Mass. 193, so far as the point now before us is concerned, was erroneously decided and should be overruled; and that the ruling requested by the plaintiff, being in accordance with the weight of authority in this Commonwealth, should have been given.

Exceptions sustained.

Respectfully submitted,

WILLIAM H. HODGKINS, *Chairman, ex officio.*

HERBERT E. MERRILL, Ward One.

(Signed) EDWARD B. WEST, *President*, Ward Two.

EZRA D. SOUTHER, Ward Three.

ALBERT W. EDMANDS, Ward Four.

Board of Overseers of the Poor.

TABLE NO. 1.
PARTIAL SUPPORT.

(Out-door Relief.)

Families aided	249
Persons aided	983
Burials	15
Permits to the Tewksbury Almshouse	6

TABLE NO. 2.
FULL SUPPORT.

(During the year.)

In almshouses	17
In private families	31
In hospitals	38
In Massachusetts School for the Feeble-minded	3
In House of the Angel Guardian	1
Insane persons in private families	4
Insane persons in hospitals	63

TABLE NO. 3.
FULL SUPPORT.

(At present time, December 31, 1895.)

In out-of-town almshouses	12
In private families	13
Insane in hospitals (we are reimbursed for 6)	52
Insane in private families	4
In hospitals	6

TABLE NO. 4.
RECAPITULATION.

Appropriation	\$16,150.00	
Reimbursements	3,902.57	
	<hr/>	
Total receipts		\$20,052.57
Total expenditures		20,755.46
		<hr/>
Account overdrawn		\$702.89
Net expenditures		16,852.89

TABLE NO. 5.
REIMBURSEMENTS.

Commonwealth of Massachusetts	\$1,285.64
City of Boston	640.47
" Cambridge	415.69
" Chelsea	3.00
" Fitchburg	21.25
" Lowell	26.35
" Medford	29.47
" Newton	154.48
" Woburn	5.50
" Worcester	15.60
Town of Blackstone	8.00
" Canton	17.53
" Danvers	34.45
" Franklin	5.00
" Lexington	98.00
" No. Andover	147.07
" Revere	167.83
" Sandwich	7.75
" Stoneham	52.15
Guardians and Relatives	767.34
	<hr/>
	\$3,902.57

TABLE NO. 6.
EXPENDITURES IN DETAIL FOR THE YEAR 1895.

1895.	Rent.	Board.	Groceries.	Towns and Cities.	Public Institutions.	Boots and Shoes.	Dry Goods.	Burials.	Salaries.	Fuel.	Sundries.	Total.
January .	\$74.00	\$124.97	\$313.62	\$776.27	\$1,882.83	\$ 1.50	\$ 2.50	\$35.00	\$254.16	\$115.51	\$76.39	\$3,656.75
February .	67.00	97.86	273.83	. . .	353.97	. . .	. . .	20.00	254.16	105.05	41.45	1,213.32
March . .	77.00	230.55	368.78	271.42	1,771.68	51.00	10.25	25.00	279.18	76.27	38.12	3,199.25
April . . .	70.00	97.93	138.75	108.43	274.11	. . .	. . .	. . .	262.49	20.35	35.07	1,007.13
May . . .	67.00	133.54	212.52	53.34	241.58	. . .	. . .	15.00	262.50	. . .	25.05	1,010.53
June . . .	71.00	215.08	115.69	14.50	1,637.38	. . .	4.86	10.00	262.51	. . .	77.37	2,408.39
July . . .	66.00	151.91	185.46	431.68	112.96	16.15	. . .	30.00	262.50	. . .	82.05	1,338.71
August . .	66.00	117.00	97.01	. . .	398.92	. . .	. . .	10.00	262.50	1.45	51.40	993.73
September .	66.00	199.06	197.23	4.00	1,703.92	. . .	. . .	25.00	262.50	. . .	16.90	2,461.06
October .	74.00	92.68	155.01	77.14	42.71	11.75	. . .	30.00	262.50	. . .	16.82	757.61
November .	50.00	99.78	160.66	442.40	530.18	. . .	17.96	. . .	262.50	112.10	37.05	1,742.63
December	52.00	347.76	146.26	14.26	. . .	18.85	6.25	. . .	262.50	106.62	11.85	966.35
Total .	\$800.00	\$1,909.02	\$2,364.82	\$2,193.44	\$8,950.24	\$99.25	\$41.82	\$200.00	\$3,150.00	\$537.35	\$509.52	\$20,755.46

TABLE NO. 7.
GROSS EXPENDITURES FROM 1883 TO 1895, INCLUSIVE.

1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.
\$15,969.80	\$17,272.52	\$16,430.32	\$14,341.83	\$13,430.89	\$13,375.98	\$14,610.92	\$15,261.14	\$15,980.49	\$17,015.30	\$17,799.58	\$19,733.13	\$20,755.46

J

REPORT

OF THE

CITY PHYSICIAN.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, February 12, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, February 13, 1896.

Reference concurred in.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF THE CITY PHYSICIAN, }
January 1, 1896. }

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL:—

Gentlemen,—The following is a summary of the work done by me as City Physician for the year ending December 31, 1895:—

Number of visits made, eleven hundred and seventy, two hundred and ninety-one having been treated at my office.

One hundred and forty-two persons have had teeth extracted.

Ninety-two children have been vaccinated.

Number of visits at the police station, forty-four.

Sixteen women were attended in childbirth.

Twenty persons were examined for the police force, and three for permanent men in the fire department.

Eight visits were made and certificates given where persons had died unattended by a physician.

Respectfully submitted,

ALVAH B. DEARBORN,

City Physician.

K

REPORT

OF THE

COMMITTEE ON HIGHWAYS.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, February 12, 1896.

Referred to Committee on Printing, to be printed in the annual reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, February 13, 1896.

Referred to Committee on Printing, to be printed in the annual reports, in
concurrence.

CHAS. S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

IN COMMITTEE ON HIGHWAYS, January 1, 1896.

TO THE CITY COUNCIL:—

Gentlemen,—The Committee on Highways presents the following report for the year ending December 31, 1895:—

HIGHWAYS ACCOUNT.

CREDIT.

Appropriation		\$60,000.00
Receipts and credits:—		
For labor and materials furnished prior to January 1, 1895, the bills for which remained uncol- lected that day		523.69
Rent of dwelling at City Farm .	\$136.00	
Less water rates	11.37	
	<hr/>	\$ 124.63
Value of tools and personal property on hand January 1, 1895		10,640.40
Value of materials on hand January 1, 1895 . . .		1,200.00
		<hr/>
Total credit		\$72,488.72

DEBIT.

Expenditures:—

For laying out Bartlett, Bradley, Harrison, Kenwood, Kingston, Meacham, Newberne, Ross- more, Walter streets and Camp- bell park (advertising notice of hearings)	\$101.00
--	----------

Construction of Streets:—

Bigelow street, from Boston street to Munroe street	\$ 115.80	
Campbell Park, from Meacham street to Kingston street	104.85	
Delaware street, from Aldrich street to Pearl street	182.20	
Kingston street, from Meacham street to Campbell park	127.60	
Lowell street, from Medford street to Vernon street	1,681.90	
Meacham street, from Orchard street to the Cambridge line	752.35	
Westwood road, from Central street to Benton avenue	387.70	
Windom street, from Elm street to Summer street	58.80	
	<hr/>	\$3,411.20
Street crossings		1,654.92
Street signs erected		80.08

Repairs and improvement of streets
and paving of gutters in con-
nection with setting of edge-
stones:—

Beacon street, southerly side, from Museum street to Oxford street, paving	\$315.20	
<i>Amounts carried forward</i>	<hr/> \$315.20	<hr/> \$5,247.20

<i>Amounts brought forward</i> . . .	\$315.20	\$5,247.20
Bigelow street, both sides, from Boston street to Munroe street, paving	57.40	
Brastow avenue, both sides, from Lowell street to Porter street, paving	563.25	
Bond street, in front of estate of J. S. and O. C. Sanborn, paving .	128.35	
Cypress street, in front of estate of H. W. P. Colson, paving .	34.10	
Campbell park, in front of the estate of Thomas Murphy and others, paving	27.00	
Chandler street, in front of es- tate of Olive H. Durell, paving .	27.00	
Delaware street, both sides, from Aldrich street to Pearl street, paving	317.25	
Dickinson street, westerly sides and northerly, from Beacon street to Springfield street, paving	290.10	
Fanning avenue, easterly side, from Highland avenue to Lex- ington avenue, paving	130.15	
Hawkins street, both sides, from Somerville avenue to Wash- ington street, paving	142.10	
Hillside park, in front of estate of M. A. Vinal and others, paving	62.45	
Joseph street, northerly side, from Newton street northwest- erly, paving	114.45	
Kingston street, in front of the estate of W. D. Farnham, Jr., paving	162.05	
<i>Amounts carried forward</i> . . .	<hr/> \$2,370.85	<hr/> \$5,247.20

<i>Amounts brought forward</i> . . .	\$2,370.85	\$5,247.20
Lester terrace, in front of the estate of Henry R. Glover, paving	59.30	
Repairs	54.70	
Leon street, both sides, from Concord avenue to Dickinson street, paving	114.50	
Meacham street, in front of estates of Henry R. Glover and others, paving	313.05	
Prospect street, easterly side, from Webster avenue, to the Cambridge line, paving	266.70	
Sanborn avenue, in front of the estate of Martha M. Sturtevant, paving	37.25	
Sewall street, both sides, from Temple street to Grant street, paving	528.70	
Repairs	405.70	
Washington street, northerly side, from Fitchburg railroad bridge to Dane street, paving	502.75	
Westwood road, both sides, from Central street to Benton avenue, paving	417.45	
Walnut street, in front of estate of James G. Morrison, paving	37.20	
	<hr/>	\$5,108.15
Ordinary repairs of streets :—		
Bow street, from Union square to Summer street	\$662.10	
Broadway, from Holland street to Arlington line	64.40	
Brastow avenue, from Lowell street to Porter street	37.60	
<i>Amounts carried forward</i> . . .	<hr/> \$764.10	<hr/> \$10,355.35

<i>Amounts brought forward</i> . . .	\$ 764.10	\$10,355.35
Cherry street, from Summer street to Elm street . . .	1,170.65	
Heath street, from Temple street to Bond street . . .	499.90	
Highland avenue, from Central street, westerly . . .	875.70	
Somerville avenue, from Park street to Elm street . . .	1,670.45	
Summer street, from Cherry street to Willow avenue . . .	1,275.20	
Walnut street, from Medford street to Gilman street . . .	480.95	
Washington street, from Beacon street to Cambridge line . . .	391.40	
General repairs . . .	10,919.25	
	<hr/>	\$18,047.60
Grading and macadamizing Whitney avenue (so called), a roadway extending across the City Farm from Cedar street, past the pumping station and the City stables . . .		2,014.35
Regrading Washington street, from Charlestown line to Tufts street . . .		2,766.50
Regrading Holland street, from Davis square to Broadway . . .		940.00
Grading at City stables . . .		1,411.79
Driveway to City stables . . .		553.65
Cost to City of sidewalks, the bricks and edgestones for which were paid for by the abutters (see Table F at end of this report) . . .		1,542.38
Repairs of brick sidewalks . . .		1,705.51
Repairs of gravel sidewalks . . .		274.37
Cleaning streets . . .		6,438.13
Removing snow and ice, and care of slippery sidewalks . . .		3,169.13
Setting, trimming and removing trees . . .		1,295.40
		<hr/>
<i>Amount carried forward</i> . . .		\$50,514.16

<i>Amount brought forward</i>		\$50,514.16
One half cost of maintenance of Middlesex avenue bridge, the other half being paid by the City of Medford		513.64
Opening for new streets		26.20
Grading for sidewalk in front of chapel of Highland Congregational Society, Highland avenue		31.85
Repairs of driveway		8.50
Private work, the bills for which remain uncollected		251.15
Water used at drinking fountains		45.00
Wakefield Gravel Land — taxes for 1894 and 1895		164.58
Waltham Gravel Land — taxes for 1894 and 1895		154.50
Superintendent's salary		1,600.00
Superintendent's teams (board of)		417.17
Superintendent's telephone		1.90
Books, stationery and printing		40.75
Sundry small expenses		122.51
Value of materials on hand this day		1,878.50
Value of tools and personal property on hand this day:		
Horses	\$2,475.00	
Carts and implements used with horses	2,534.00	
Harnesses and horse clothing	349.00	
Stable utensils and property	351.10	
Tools	1,184.50	
Stone crusher and fittings	1,905.95	
Steam road roller	2,000.00	
	<hr/>	\$10,799.55
Net loss on tools, property and materials		5,342.29
		<hr/>
Total debit		\$71,912.25
		<hr/>
Balance unexpended		\$576.47

Labor and materials have also been furnished and property sold,
for which credit has been received, as follows :

Private parties, constructing driveways and sidewalks	\$3,722.74
Sewers Maintenance account	80.69
Public Property account, filling around schoolhouse, Ward Four	836.25
Public Grounds account, labor and crushed stone on walks, Central Hill	38.00
Health Department, filling hole, South street . . .	33.00
Sidewalks account, materials and use of horses . .	1,800.09
Total	<u>\$6,510.77</u>

The Profit and Loss account on city teams, tools, property and materials is as follows :

DEBIT.

Steam road roller (depreciation)	\$ 55.00
Repairs of steam road roller	390.76
Tools (depreciation)	412.53
Repairs of tools	396.28
Stone crusher and fittings	1,296.05
Holland street ledge	295.12
Crushed stone (to which amount is charged repairs at crusher)	1,563.08
City teams	933.47
Total	<u><u>\$5,342.29</u></u>

No charge has been made for the use of the steam road roller on the streets, except for the time of the engineer, at the same rate as in former years, viz. : three dollars per day.

Crushed stone placed on the streets has been charged at the same rate as in former years, namely,— seventy-five cents for each single load at the crusher.

Gravel has been charged at the rate of twenty-five cents per single horse load, and sand at the rate of fifty cents per single horse load, exclusive of cartage.

Number of loads of stone for crusher from Holland street ledge	10,539
Number of loads of stone crushed	14,344

The charges to the City Teams account are as follows :

Horses (depreciation)	\$2,197.00
Carts and implements used with horses (depreciation)	471.74
Repairs of same	864.32
Harnesses and horse clothing (depreciation)	222.80
Repairs of same	474.92
Stable utensils and property	5.53
Stable expenses and repairs	2,126.99
Grain and feed	2,825.36
Hay and straw	2,400.11
Horseshoeing	853.25
Horse medicine and doctoring	131.25
	<hr/>
	\$12,573.27

The above statement is exclusive of the keeping or use of the Superintendent of Streets' teams, the cost of which is kept separately, as stated in the table of expenditures. Each horse has been credited for each day he has worked during the year at \$1.40 per day.

Twelve new horses have been purchased during the year at a cost of \$1,647 ; two horses have been sold for \$75, two have been given away, and five have died, making the total number of horses in the department, including the two used by the Superintendent of Streets, thirty-one, being three more than in 1894.

SIDEWALKS ACCOUNT.

CREDIT.

Appropriation	\$10,000.00
-------------------------	-------------

E BIT.

Expenditures : —

For 35 sidewalks, as per table E, at the end of this report	\$20,184.33
Less assessments and receipt	10,098.99
	<hr/>
Cost to City	\$10,085.34
	<hr/>
Balance overdrawn	\$85.34
	<hr/>

EDGESTONES AND PAVING STOCK.

Lineal feet of edgestones set (including 980 feet reset), 21,129.6; square yards of brick paving laid (including 637 yards relaid), 10,157.8; square yards of stone paving laid (including 450 yards relaid), 4,141.

CITY STABLE. (New.)

CREDIT.

Balance of appropriation brought forward from 1894	\$4,148.12	
Appropriation for 1895	6,000.00	
	<hr/>	
Total credit		\$10,148.12

DEBIT.

Lord Bros., final payment on account of contract	\$9,180.48	
Aaron H. Gould, balance due on account of architect's services .	348.64	\$9,529.12
	<hr/>	<hr/>
Balance unexpended		\$619.00

PAVING MEDFORD STREET.

(From Somerville avenue to the Cambridge line.)

CREDIT.

Appropriation	\$27,400.00	
Receipts:—		
From John P. Squire & Company, Corporation, labor paving driveways, and paving blocks .	30.71	
From North Packing and Provision Company, relaying 4 driveways	77.82	
	<hr/>	
	\$27,508.53	
Less transfer to paving of Washington street between Tufts street and Joy street . . .	3,800.00	
	<hr/>	
Total credit		\$23,708.53
		<hr/>
<i>Amount carried forward</i>		\$23,708.53

Amount brought forward \$23,708.53

DEBIT.

Expenditures :—

For printing specifications \$	7.90	
Labor	406.88	
Lumber	5.54	
Tools	14.00	
Bricks	19.60	
Edgestones, flagging and circles	467.00	
Paving blocks	4,052.10	
Wm. H. Gove & Co., cash		
on account of contract	5,428.61	
Wm. H. Gove & Co., cash		
on account of extras	57.49	
Total debit		\$10,459.12
Balance unexpended		\$13,249.41

The above expenditure was for the paving of that part of Medford street, lying between the Cambridge line and the Fitchburg railroad, leaving the part between the Fitchburg railroad and Somerville avenue to be paved during the coming year.

PAVING WASHINGTON STREET.

(From Tufts street to Joy street.)

CREDIT.

Appropriation \$3,800.00

TABLES.

Tables are furnished herewith, giving lists of streets accepted, streets constructed and improved, and crossings laid, also sidewalks constructed, the edgestones and bricks for which were furnished at the expense of the abutters.

F. W. GILBERT, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*

TABLE A.
STREETS ACCEPTED.

NAME.	FROM	To	Length in Feet.
Bradley . . .	Pearl	Walter	762
Campbell park .	Meacham . . .	Kingston	399
Harrison . . .	Mondamin court .	Kent	309
Kenwood . . .	Elm	Billingham	322
Kingston . . .	Meacham	Cambridge line . . .	628
Meacham . . .	Orchard	near Arlington branch R. R.	558
Newberne . . .	Appleton	Morrison	200
Rossmore . . .	Somerville avenue	Washington	534
Stickney avenue	School	Marshall	458
Walter	Walnut	Bradley	548
<i>Total length</i>	<i>in feet</i>	<i>.</i>	4,718

TABLE B.
STREETS CONSTRUCTED.

Name of Street.	FROM	To	Length in Feet.
Campbell park	Meacham	Cambridge line . . .	395
Delaware . . .	Aldrich	Pearl	451
Kingston . . .	Meacham	Campbell park . . .	620
Lowell	Medford	Vernon	1,141
Meacham . . .	Cambridge line .	Lowell railroad . . .	600
Sewall	Temple	Grant	615
Westwood road	Benton	Central	487
Windom	Summer	Elm	300
<i>Total Length</i>	<i>in feet</i>	<i>.</i>	4,609

TABLE C.
STREETS IMPROVED.

STREET.	FROM	TO	IMPROVEMENT.	FEET.
Bigelow . . .	Boston . . .	Munroe . . .	Macadamized	210
Bow . . .	Union sq. . .	Summer . . .	Macadamized	530
Broadway . . .	Curtis . . .	North . . .	Macadamized	500
Cherry . . .	Elm . . .	Summer . . .	Macadamized	860
Greenville . . .	Boston . . .	Munroe . . .	Macadamized	270
Heath . . .	Temple . . .	Bond . . .	Macadamized	1,200
Highland ave. .	Benton ave. .	Cedar . . .	Stoned	2,200
Holland . . .	Curtis . . .	Lowell R. R. .	Macadamized	2,650
Leon . . .	Dickinson . .	Concord ave. .	Macadamized	150
Somerville ave. .	Cambridge line .	Park . . .	Macadamized	3,600
Somerville ave. .	Fitchburg R. R. .	Cambridgeline	Macadamized	2,500
Summer . . .	Cedar . . .	Willow ave. .	Macadamized	1,370
Summer . . .	Laurel . . .	School . . .	Macadamized	930
Washington . .	Cambridge line .	Easterly. . .	Macadamized	300
Washington . .	Lowell R'd B'ge.	Charlest'n line	Macadamized	1,960
Total length	improved	(in feet) . . .	. . . . .	19,230

TABLE D.
DRIVEWAYS CONSTRUCTED AT EXPENSE OF ABUTTERS.

FOR	LOCATION.
William H. Brine . . .	. . . Highland ave.
David W. Crocker . . .	. . . Day st.
Lavina Davey . . .	. . . 60 Prescott st.
Abel Fitch . . .	. . . Grove st.
Otis M. Haskell . . .	. . . 70 Union sq.
Delia Hopkins . . .	. . . 50 Craigie st.
George E. Hutchinson . . .	. . . 204 School st.
Henry H. Jones . . .	. . . 31 Dover st.
Frank L. Lambert . . .	. . . 10 Cross st.
Horace H. Leavitt . . .	. . . Adams st.
Seth Mason . . .	. . . 50 Boston st.
B. F. Smith and Brothers . . .	. . . 194 Broadway.
C. L. Stevens . . .	. . . Day st.
F. D. Woodbridge . . .	. . . 43 Cross st.

TABLE E.
SIDEWALKS CONSTRUCTED WHERE THE MATERIALS AND LABOR WERE FURNISHED BY THE CITY,
AND ONE HALF THE COST WAS ASSESSED UPON THE ABUTTING ESTATES.

STREET.	SIDE.	FROM	TO	FEET OF EDGE-STONES.	YARDS OF BRICKS.	COST.
Aldrich	Westerly	Gilman	Pearl	. . .	265.5	\$ 248.75
Beacon	Southerly	Museum	Oxford	1,911.3	. .	1,394.07
Bigelow	Both	Boston	Munroe	411.9	362.0	731.41
Brastown ave.	Both	Lowell	Porter	1,376.1	. .	1,079.59
Broadway	Southwesterly	Edmands	Estate of Addie N. Stackpole	. . .	334.6	364.70
Chauncey ave.	Northwesterly	Jagues	Northwesterly to a point 35 ft. N. E. of the S. W'ly line of the estate No. 60	. . .	277.4	279.15
Cherry	Westerly	Elm	Summer	897.1	681.9	1,306.10
Cherry	Easterly	Elm	Summer	856.2	. .	659.98
Church	Westerly	Somerville ave.	Summer	. . .	472.8	400.50
Delaware	Both	Aldrich	Pearl	881.4	. .	669.23
Dickinson	{ Northerly and } { Westerly }	Beacon	Springfield	730.7	. .	583.44
Evergreen ave.	Both	Marshall	School	. . .	550.0	588.90
Fanning ave.	Easterly	Highland ave.	Lexington ave.	415.0	. .	280.01
Greenville	Both	Boston	High	524.5	372.5	773.33
Gibbens	Northerly	Central	Benton ave.	. . .	342.3	382.90
Hathorn	Both	Broadway	Arlington	. . .	451.5	469.50
Hawkins	Both	Washington	Somerville ave.	. . .	. .	282.40
Heath	Northerly	Temple	Fenwick	424.6	671.2	653.85
Hudson	Both	Central	Lowell	. . .	. .	1,974.92
Joseph	Northerly	Newton	Northwesterly	2,709.3	303.0	538.28
Leon	Both	Concord ave.	Dickinson	376.5	. .	237.92
Main	Northeasterly	{ Est. of James } { Sanborn }	Medford line	339.0	813.9	830.00

TABLE E.—*Concluded.*

STREET.	SIDE.	FROM	To	FEET OF EDGESTONES.	YARDS OF BRICKS.	COST.
Medford	Southwesterly	Tennyson	Central	. . .	184.7	\$208.55
Montgomery ave.	Both	Broadway	Wellington ave.	. . .	353.7	331.55
Orchard	Southerly	Cambridge line	Russell	. . .	21.6	28.25
Preston	{ Southeasterly } { and Northeast'y }	Summer	School	. . .	548.9	585.65
Prospect	Easterly	Webster ave.	Cambridge line	835.8	. .	606.96
Russell	Easterly	Orchard	Southerly to the Cambridge line	243.4	165.0	315.07
Sewall	Both	Temple	Grant	1,224.8	. .	812.60
Stickney ave.	Easterly	Marshall	School	439.7	. .	330.67
St. James ave.	Easterly	Elm	Summer	531.0	. .	369.82
Stone ave.	Easterly	Near Union sq.	Columbus ave.	580.1	. .	442.10
Summer	Southerly	Ashland	Cherry	263.2	. .	199.24
Washington	Northerly	{ Fitchburg R. } { R. Bridge }	Dane	1,351.6	. .	930.40
William	Southerly	Chandler	Elm	384.3	. .	294.54
Total				17,707.5	7,172.5	\$20,184.33

TABLE F.

SIDEWALKS CONSTRUCTED WHERE THE EDGESTONES AND
BRICKS WERE FURNISHED OR PAID FOR BY
THE ABUTTERS.

FOR	STREET.	FEET OF EDGE- STONES.	YARDS OF BRICKS.
Fannie I. Bradshaw	Westwood road	963	
John E. Bryant	24 Grant st.	35.1	
H. W. P. Colson	Central and Cypress sts. .	79.6	189
Jennie E. Davis	11 Austin st.		40
Wilbert D. Farnham	Meacham and Kingston sts.	118.2	77
First Unitarian Church . . .	Highland ave.		100
George W. Foskett	61 Grove st.	62.2	
O. H. Fuller	148 and 150 School st. . .		69.2
Estate of Henry R. Glover	Meacham st.	595.2	441
“ “	Kingston st.	258.4	191
“ “	Lester terrace	344.9	147
F. L. Greely	Flint st.		30.5
Ella F. Haskell	279 Summer st.	44.5	33
Delia Hopkins	50 Craigie st.		55.5
James L. Lea	Meacham st.	95	47
“ “	Campbell park	134.3	40
Arabella H. Lewis	Meacham st.	53.6	28
Harriet H. Moore	Madison st.		27.2
James G. Morrison	Walnut and Pearl sts. . .		61
Thomas Murphy	Campbell park	30.2	28
Ella F. Perry	9 Summit st.	41	27.8
J. S. and O. C. Sanborn . . .	Bond st.	344.1	261
Lucius Slade	277 Summer st.		33
H. and C. R. Smith	Grove st. and Winslow ave.		200
Peter J. Smith	1 to 11 Houghton st. . .	144.8	115.8
Rufus Stillings	21 and 23 Arthur st. . .		47.7
Nellie F. Taylor	41 Meacham st.	50	33
Estate of Wm. H. Thompson	Hillside park	40	33.3
Levi Trochu	33 Madison st.		28.8
Augusta S. Vinal	Hillside park	110.8	83.3
Mary L. Vinal	“	40	33.3
Lucretia G. Waters	37 Meacham st.	43	35.5
Levi P. Wyman	167 and 175 Broadway . .	5	244.4
William H. Zinn	Elm st.		204
		3,632.9	2,985.3

TABLE G.

CROSSINGS CONSTRUCTED.

- Aldrich street, in line with the westerly side of Flint street.
Beacon street, in line with the easterly side of Washington street.
Beacon street, in line with the westerly side of Buckingham street.
Beacon street, in line with the easterly side of Harris street.
Broadway, across the end of Arthur street.
Broadway, from easterly side of Franklin street, to street railway tracks.
Central street, in line with the northerly side of Gibbens street.
Davis square, at the Boston & Maine Railroad station.
Dartmouth street, in line with the southwesterly side of Evergreen avenue.
Elm street, at the head of Chester street.
Harris street, at Beacon street.
Highland avenue, in line with the westerly side of Central street.
Meacham street, at head of Glover circle.
Medford street, in line with the easterly side of Jenny Lind avenue.
Medford street, in line with the easterly side of Lowell street.
Medford street, in line with the westerly side of School street.
Munroe street, across end of Bigelow street.
Pearl street, across same, near Bradley street.
Pearl street, across same, near Pearl street place.
Pearl street, in line with the easterly side of Walnut street.
School street, in line with the westerly side of Evergreen avenue.
Somerville avenue, in line with the westerly side of Mossland street.
Summer street, across the end of Church street.
Summer street, across the end of Prescott street.
Washington street, from street railway tracks to Asylum gate.

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ANNUAL REPORT

OF THE

COMMITTEE ON SEWERS.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, February 12, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, February 13, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports, in
concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

IN COMMITTEE ON SEWERS, January 1, 1896.

TO THE BOARD OF ALDERMEN OF SOMERVILLE:—

The Committee on Sewers presents the following report for the year ending December 31, 1895:—

MAINTENANCE ACCOUNT.

	CREDIT.	
Appropriation		\$7,000.00
Receipts and Credits:—		
For fee for drainage of asylum build- ings into Fitchburg Street sewer	\$ 50.00	
labor and materials furnished in 1894, the bills for which re- mained uncollected January 1, 1895	122.08	
bills payable December 31, 1895 (remaining unpaid this day) .	165.37	
amount overpaid in 1894, credit being received January 1, 1895	35.00	
dividend on private sewer built for Timothy Tufts in 1888 .	7.80	
	<hr/>	\$380.25
Value of tools and property on hand January 1, 1895		732.25
Value of materials on hand January 1, 1895		40.02
		<hr/>
Total credit		\$8,152.52
		<hr/>
<i>Amount carried forward</i>		\$8,152.52

Amount brought forward \$8,152.52 .

DEBIT.

Expenditures :—

For repairing sewers and drains .	\$ 158.82	
inspecting house drains . . .	474.09	
flushing sewers and filling catch-		
basins	403.01	
cleaning sewers	648.62	
cleaning catch-basins	2,565.48	
repairing catch-basins	280.24	
opening mouths of catch-basins .	272.00	
changing lines and grades of		
catch-basins	145.16	
examining catch-basins	3.75	
changing lines and grades of		
manholes	81.66	
repairing manholes	112.00	
cleaning manholes	353.16	
examining sewers	94.15	
cleaning ditches	242.14	
changing locations of catch-basins	32.75	
digging to locate old sewers . .	4.00	
cleaning and dredging Bridge		
street sewer outlet	1,148.86	
repairing Medford street sewer .	2,461.96	
sundry expenses	59.89	
books, stationery and printing .	35.35	
Highways, paving Medford street	17.39	
arranging tools and property . .	49.74	
repairs of tools and property . .	70.28	
Depreciation in value of tools and		
property	157.45	
Value of materials on hand December		
31, 1895	63.46	
<i>Amounts carried forward</i> . . .	<u>\$9,935.41</u>	<u>\$8,152.52</u>

<i>Amounts brought forward</i> . . .	\$9,935.41	\$8,152.52
Value of tools and property on hand December 31, 1895 (including purchases during the year, \$212.00)	786.80	
	<hr/>	
Total debit		\$10,722.21
		<hr/>
Amount overdrawn		\$2,569.69

Labor and materials have also been furnished and credit has been received for the same as follows :—

Public Grounds account, materials furnished for setting tablet, Elm street	\$ 4.60
Sewers, Construction account, labor digging for ledge	3.25
West End Street Railway Company, changing lines and grades of catch-basins and manholes, etc.	139.73
	<hr/>
Total	\$147.58

CONSTRUCTION ACCOUNT.

	CREDIT.	
Appropriation	\$50,000.00	
Unexpended balance of 1894	7,978.07	
	<hr/>	\$57,978.07
Receipts and credits :—		
For catch-basin curbs in Sidewalks, received credit from Sidewalks account	\$58.25	
fee for drainage of estate into Taylor street sewer	40.20	
	<hr/>	\$ 98.45
unpaid bills of 1895		331.90
Value of materials on hand January 1, 1895		30.00
		<hr/>
Total credits		\$58,438.42
		<hr/>
<i>Amount carried forward</i>		\$58,438.42

Amount brought forward \$58,438.42

DEBIT.

Expenditures:—

For twenty-five sewers constructed and partially constructed dur- ing the year	\$13,806.87	
Less amount paid in 1894 for in- spection of and advertising Pitman street sewer	64.25	
	<u>\$13,742.62</u>	
Less assessments	5,338.12	
	<u></u>	\$8,404.50
For thirty-eight catch-basins (average cost \$ 74.69) investigation and study for connections with Metropolitan sewer at junction of Somerville avenue and Poplar street		2,838.29
study and plans for and partial construction of connection with Metropolitan sewer at junction of Mystic avenue and Moreland street		747.58
survey and plans for sewer, Boston avenue, Wil- low avenue and Broadway		117.76
laying outlet from Wyatt's Pit to Bowdoin street sewer	\$43.70	
less amount paid by Health Department	30.84	
	<u></u>	12.86
sundry expenses		396.86
books, stationery and printing		14.50
unpaid bills of 1894		2,425.84
tools and property		120.60
Value of materials on hand December 31, 1895		1,468.08
Total debit		<u>\$16,647.32</u>
Balance unexpended		<u>\$41,791.10</u>

Seven thousand and sixty and one-half feet of sewers have been constructed during the year, and 925 feet are in process of construction.

For detailed statement showing length of sewers constructed, cost of construction, assessments and net cost to city, see table in City Engineer's Report.

Labor and materials have also been furnished, and credit has been received for the same, as follows:—

John Herbert <i>et al.</i> , constructing sewer, Pearl street, from the end of the sewer built in 1894, westerly, sixty feet	\$53.41
Joseph F. Wilson, constructing sewer, Albion place, from the sewer in Albion street, northeasterly, one hundred and fifty feet	97.50
Total	<hr/> \$150.91

Thirty-eight catch-basins have been built during the year, which is seventeen less than the number built in 1894.

DRAINAGE THROUGH NORTH CAMBRIDGE.

By an order dated January 30, 1895, the mayor was authorized to petition the General Court for such legislation as might be necessary to enable the city to construct a sewer through the City of Cambridge to the Metropolitan sewer, near Alewife Brook, for the drainage of that portion of the section in West Somerville, lying between the Middlesex Central Railroad location and Holland street, which is too low to be drained into our system of sewers, and the natural drainage of which is into the brook which flows from West Somerville, westwardly, through North Cambridge, and is called Tannery Brook.

An Act was passed by the Legislature and approved April 25, 1895, giving Somerville the right to take land in the City of Cambridge and construct a sewer, as desired, and also to take land in said city and construct a drain, channel or water-course for the disposal of storm water from an overflow from such sewer and from overflows from the sewers of a certain territory in addition to that which was to be drained into said contemplated sewer, using, if desired, Tannery Brook for the purposes of such drain, channel or water course for storm water. Cambridge has the right to use both the common

sewer and the storm-water drain, channel or water course, to be constructed under the Act, within the limits of that city. The Act is to be void unless accepted by the city council of each city within one year from the date of the passage thereof.

Numerous conferences have been held with the committee on sewers of the City of Cambridge, at which the details of the measure have been fully discussed.

Surveys have been made of Tannery Brook and also of another route, through North Cambridge, to the Metropolitan sewer at Alewife Brook, and negotiations opened for much of the land required.

The condition of the westerly portion of the city, with reference to both sewerage and storm-water drainage, has been carefully investigated and considered. It has been found that the sewers in the vicinity of Davis square have become inadequate for the ready removal of storm water, as many of the cellars are flooded during heavy rains. As this territory is not covered by the provisions of the Act, but should receive the benefit of the system of storm-water drainage thereby contemplated, we recommend that the necessary legislation be petitioned for early in the coming year.

By the death, in November, of the City Engineer, Mr. Horace L. Eaton, work upon the project was suspended before a final understanding had been reached with the authorities of the City of Cambridge, but we trust it will be promptly taken up by the incoming City Government and prosecuted to an early completion.

JOINT DRAINAGE WITH MEDFORD.

In pursuance of an order of the City Council requesting His Honor, the Mayor, to petition for legislation authorizing the construction of joint sewers for the cities of Medford and Somerville, in both cities, to connect, at different points, with the Metropolitan system, such legislation was granted, and the construction of the said sewers is now under contract and will soon be completed.

METROPOLITAN SEWER CONNECTIONS.

Your committee would report, in regard to the Metropolitan connections, that plans have been made for the same, and a contract has been let for one on Mystic avenue at Moreland street.

A communication was received, early in the year, from the city of Cambridge, asking that all the drains from the packing houses be connected, directly, with the Metropolitan sewer, without any overflow into our local sewers, so that, after such connection, no sewerage or drainage of any sort from these establishments should be discharged at the present sewer-outlet in Charles River. In consequence of this request, the city engineer entered into a large amount of detail work, to find some way of disposing of the storm water and the immense quantities of salt water that were being emptied, by the packing houses, into the Somerville sewers. It appeared, upon a very thorough investigation, that the daily discharge of liquid waste from the packing houses amounted to about 5,000,000 gallons, of which over one half was clear salt water, pumped from the river for refrigerating purposes and, after being used, discharged into the sewer. Owing to the fact that all of this water, if emptied into the Metropolitan sewer, would have to be raised, by pumping, about forty feet before being discharged into deep water, and also to the fact that the city is endeavoring to exclude from its sewers all surface and other inoffensive drainage, on account of the cost of such pumping,—your committee objected very seriously to the emptying of this large amount of clear water into Somerville sewers. For these reasons it was necessary to enter into some agreement with the packing-house proprietors, and such an agreement was very nearly completed when the sudden death of our engineer stopped all negotiations for the present. Therefore your committee can only report that the plans for this connection are practically completed, and the matter of the negotiations is in the hands of the City Solicitor.

SEWER COMMISSION.

Your committee would most earnestly recommend, to the incoming city government, that the whole matter of sewerage be taken from the hands of committees and placed in charge of a commission, to be formed in such manner as the city council may determine.

MEMORIAL.

In closing this report, we desire to express our profound sorrow for the death of Horace L. Eaton, the late city engineer, who had

immediate charge of the sewers of the city. His untiring and conscientious application to the arduous duties of his position, doubtless hastened his decease ; and he should be remembered by all as a faithful, self-sacrificing public officer.

For the Committee on Sewers,

EDMUND S. SPARROW, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*

M

REPORT

OF THE

CITY ENGINEER.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, March 11, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, March 11, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports, in
concurrence.

CHAS. S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF CITY ENGINEER, }
SOMERVILLE, February 28, 1896. }

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL OF THE
CITY OF SOMERVILLE :—

Gentlemen,— Herewith is submitted a report of work done in the City Engineering Department, under Horace L. Eaton, for the year ending December 31, 1895.

By the death of the City Engineer, Mr. Eaton, on the morning of November 23, 1895, the department was deprived of its honored chief ; the work being carried on for the balance of the year under the direction of the undersigned, who was the principal assistant engineer, and was appointed City Engineer January 22, 1896.

ENGINEERING DEPARTMENT.

The number of assistants permanently employed during the year has been nine, while three more have been employed for part of the year.

Outside of the regular office force a surveying party was employed to make surveys in the Tannery Brook Valley district in the city of Cambridge, for the purpose of drainage ; also a special assistant was employed to make examinations, studies, and design plans for the drainage of the different slaughtering establishments situated on Somerville avenue and Medford street, near the East Cambridge line.

The cost of maintaining the department has been as follows :—

Salary of City Engineer	\$2,400.00
Board of Engineer's horse	270.00
Consulting and extra engineering services	348.55
Salaries of assistants	7,162.90
Supplies and incidental office expenses	285.04
Car fares	133.04
Total	<u>\$10,599.53</u>

CLASSIFICATION OF EXPENDITURES, ASSISTANTS' SALARIES.

SEWERS — comprising surveys, profiles, lines, grades, titles, plans and assessments	\$2,842.90
HIGHWAYS — comprising plans, profiles, titles, estimates, lines and grades	629.00
EDGESTONE — comprising profiles, lines, grades, measurements, titles, costs and assessments	693.00
WATER WORKS — comprising lines, locations of mains and services	335.00
PUBLIC GROUNDS — comprising surveys, plans, profiles, grades and estimates	303.00
PUBLIC BUILDINGS — comprising surveys, lines, grades and estimates	319.00
STREET NUMBERING — comprising locations of buildings, plans, and affixing street numbers on houses	184.00
WEST END STREET RAILWAY CO. — comprising grades, plans and profiles	134.00
MIDDLESEX REGISTRY — comprising copying of plans and abstracts from deeds filed	56.00
OFFICE WORK — comprising indexing, records of all locations, miscellaneous lines, grades, plans and estimates	830.00
CITY SURVEY	476.00
CITY MAP	361.00
Total	<u>\$7,162.90</u>

SEWERS.

Comparatively little work has been done the past year in the construction of main line or trunk sewers, but a number of short lateral sewers have been built.

The greater part of the time has been occupied in making extensive studies and designs for the drainage of large sections, in different localities of the city, necessitated by the completion of the Metropolitan Sewer System.

Large tracts of unoccupied land heretofore unable to be drained can now be completely sewered, and thus bring into the city many desirable house lots; also, certain sections in the low districts where cellars are flooded during storms, can be wholly or partially relieved by diverting the storm water from the old sewers into new channels and emptying into the natural water-shed outlets.

TANNERY BROOK VALLEY SEWER.

The Massachusetts Legislature passed an Act, April 25, 1895, which allowed the City of Somerville to take private land in Cambridge for the purpose of laying and maintaining a common sewer for house drainage, having its connection with the Metropolitan Sewer near Massachusetts avenue where Tannery Brook empties into Alewife Brook, including the greater part of the territory in West Somerville situated south of Holland street and Broadway and west of Davis square, comprising about fifty-one acres. Also, the right of disposing and conducting storm water, covering a considerably larger area, through Cambridge and discharging into Alewife Brook.

A number of routes were proposed, plans made showing the areas to be taken from the land owners, the sizes of the sewers to be constructed determined, and approximate estimates of the cost made; but the two cities came to no definite agreement on the matter, either from the excessive land damages wanted by the property owners or some other unforeseen difficulty arising so that nothing in the line of construction was commenced; but the coming year it is hoped that all obstacles will be overcome, and a long needed sewer constructed.

When this storm-water drain is constructed the cellars in Davis square and vicinity, which are now flooded in heavy storms, will be greatly relieved.

METROPOLITAN SEWER CONNECTIONS IN SOMERVILLE.

The City of Somerville is paying yearly a State tax for maintaining the Metropolitan Sewer System, but at present is not receiving any benefit for the money so expended, as no connections have been made between the City sewers and the State sewer.

About twenty-three thousand dollars was paid in 1895 on the construction account, and nearly seven thousand dollars was paid for the maintenance of the Metropolitan System during the past year, making a total of about thirty thousand dollars, which amount will increase yearly.

Somerville Avenue and Poplar Street Connection.—The largest, most important and expensive connection will be on Somerville avenue at Poplar street, where more than two thirds of the total sewerage system of the city is at present passing. Probably this connection would have been made the past year, but the question arose as to the drainage of the three packing establishments, Squire's, North's, and the New England Dressed Meat & Wool Company.

These places use large quantities of salt water, about two and one-half million gallons daily being emptied into the city's sewers; this, the Metropolitan Commissioners will not allow to enter their sewerage system, and must first be disposed of before making the Somerville avenue connection.

The slaughtering establishments will have a separate connection at the same point, and probably conduct the salt water used to the river from which it is pumped.

No agreement as to the cost has been made as yet between the city and the different companies, but the Metropolitan connection should not be further delayed; this connection will also reduce the cost which Somerville pays yearly for the dredging of the Bridge street outlet in Cambridge.

Mystic Avenue and Winthrop Avenue Connection.—The East Somerville and Winter Hill districts, lying north of Pearl street and the Lowell Railroad and as far west as Magoun square, comprising about four hundred acres, have their outlet across the marsh land, at the end of Winthrop avenue, into Mystic River.

A connection with the Metropolitan Sewer should be made at the junction of Mystic and Winthrop avenues, which would do away with the open sewer running along Mystic avenue at the northeasterly

end of Broadway Park, and also remove the sewage matter from the water course across land owned by F. O. Reed.

Mystic Avenue and Moreland Street Connection.— A sewer is being constructed at the present time on the northerly side of Winter Hill, and, when completed, will give house drainage (surface and roof water being excluded) for an area of about forty-one acres adjacent to the Medford city line.

The connection with the Metropolitan Sewer is at the junction of Mystic avenue and Moreland street, which is the first connection Somerville will make with the State sewer.

The City of Medford also drains about seven acres through the Somerville Sewer into this outlet.

North Somerville District.— An agreement has been made between the cities of Somerville and Medford, whereby a district comprising about eighty-two and two-tenths acres in North Somerville, between the City Farm lands and the Nathan Tufts Park, and also the easterly slope of College Hill, can be discharged through the City of Medford sewers and thence into the Metropolitan System.

One of these sewers is in the process of construction on Broadway, east of the Lowell Railroad, and has its outlet at Winchester street into Medford. This sewer, when completed, will provide sewerage for about ten acres, including the houses situated in the low parts on Wilson avenue and Cedar street, near Broadway, which heretofore have had no sewer connections.

Another sewer should be built in this district, through Willow avenue and Broadway, having its outlet on the westerly side of the railroad, at Boston avenue, and discharging through Medford.

This line will sewer the Ayer and Tufts estates, located on either side of Willow avenue.

In this annual report will be found an ordinance, together with plans annexed, showing the districts covered by, and terms of, the foregoing-mentioned agreement between the cities of Somerville and Medford.

Raymond Avenue and Vicinity.— This section is beginning to be built upon somewhat, and would increase rapidly if sewers were constructed giving land owners house drainage.

It is designed to build a main sewer through Raymond avenue, extending through the low lands and connecting with the Metropolitan Sewer, which runs along the easterly bank of Alewife Brook;

laterals could then be constructed in the intersecting streets, giving sewerage for the larger part of the territory lying west of Curtis street and north of Broadway.

SEWERS BUILT IN 1895.

Twenty-three sewers have been built the past year, a length of seven thousand and sixty and one-half feet or one and thirty-four hundredths miles, at a cost of thirteen thousand eight hundred twenty-two dollars and twenty-two cents.

Abutters were assessed five thousand four hundred eighty-nine dollars and three cents, the city assuming the balance.

Three sewers were contracted for in 1895, which have not been completed within the year; their total length constructed being nine hundred and twenty-five feet.

The total length of sewers in the city, December 31, 1895, is sixty-four and five-tenths miles.

PRIVATE DRAINS.

Four hundred and eighteen houses have been connected with public sewers, and twenty-seven drains have been repaired during the year.

The cost of inspection of house drains has been four hundred and seventy-four dollars and nine cents.

CATCH-BASINS.

Thirty-seven new catch-basins have been built, at a cost of two thousand eight hundred and thirty-nine dollars and twenty-eight cents, making the total number of basins in the city, December 31, 1895, eight hundred and thirty-nine.

The cost of changing the grade, repairing, cleaning, flushing and general maintenance of catch-basins has been three thousand two hundred and ninety-nine dollars and thirty-eight cents.

REPAIRING AND CLEANING SEWERS.

The cost of changing the grade, cleaning dirt-catchers of man-holes, and the repairing and cleaning of sewers has been two thou-

TABULAR STATEMENT OF SEWERS BUILT IN 1895.

LOCATION.				ITEMS OF COST.													COST AND ASSESSMENT.					
NAME OF STREET.	FROM	To	CONTRACTOR.	Size in inches.	Length in feet.	Material excavated.	Average cut.	Cubic yards rock excavation.	Manholes.	Chimneys.	Inlets.	PIPE SEWER. Cost per lineal foot.							Average cost per lineal foot.	Total Cost.	Assessment.	Cost to City.
												Earth.	Rock.		Manholes and Chimneys.	Pipe.	Inspection.	Miscellaneous.				
													Labor.	Lineal feet of excavation.									Price per cubic yard.
Albion place	Sewer in Albion st.	Northeasterly	Dennis C. Collins	8	150.5	Clay with gravel	7.5	....	...	1	....	.42	.....	....	\$4.50	.18	.02	....	\$ .64	\$ 97.50	\$ 97.50	.....
Banks	Sewer in Banks st.	Southwesterly	Charles A. Kelley	8	282.3	Sand and clay	7.8	....	1	....	....	.55	.....	....	43.00	.18	.02	.02	.93	261.48	260.73	\$ 0.75
Bartlett	Sewer in Medford st.	Near Broadway	Charles A. Mongan	10 8	554.6 117.9	Coarse gravel and small boulders	9.5	3.	4	....	....	.65 .70	Boulders	\$4.50	50.00	.25 .19	.05	....	1.28	860.88	859.24	1.64
Crocker	Sewer in Highland ave.	Southwesterly near Crown st.	Charles A. Mongan	12 10	131.6 350.7	Coarse gravel and small boulders	8.7	0.5	2	....	....	.55 .45	Boulders	4.50	40.00	.33 .25	.01	.07	1.01	485.96	484.58	1.38
Cross	Old sewer built in 1871	Southwesterly	Maurice Buttimer	6	66.0	Ledge	9.0	35.0	....	1	....	1.50	Boulders	4.50	8.00	.14	.05	.06	4.26	281.39	118.86	162.53
Edmands	Old sewer built in 1889	Southwesterly	Hervey A. Hanscom	10 8	19.0 62.5	Coarse gravel	7.9	4.4	1	....	....	.44 .44	Boulders	3.15	42.00	.22 .19	.02	..	1.47	120.20	120.00	0.20
Grant	Sewer in Derby st.	Westerly	Charles A. Mongan	8	146.8	Broken stone with clay filling	6.5	....	....	1	....	.45	.....	....	2.00	.19	.02	.07	.73	107.76	78.00	29.76
Greenwood terrace	Sewer in Beacon st.	Northeasterly	Charles A. Kelley	8	180.00	Sand	7.2	....	....	....	....	.60	.....	....	....	.18	.04	.01	.83	149.04	138.53	10.51
Ibbetson	Sewer in Somerville ave.	Northerly	Charles A. Mongan	12 10 8	295.0 280.3 125.7	Sand, gravel and ledge	7.7	32.7	4	....	....	.45 .50 .65	146	3.50	40.00	.34 .27 .18	....	.03 .09	1.32	925.01	806.96	118.05
Lowell	Sewer in Highland ave.	Southwesterly Near Crown st.	Dennis C. Collins	12 10 8	229.0 186.0 164.0	Compact gravel	9.5	....	3	....	....	.64 .53 .47	....	....	35.00	.32 .26 .19	....	.04 .01	1.08	622.66	621.26	1.40
Mt. Vernon ave.	Sewer in Heath st.	Southwesterly	Richard Falvey	8	173.8	Sandy gravel	8.0	....	1	1	....	.48	.....	....	32.00 5.00	.18	.03	.12	1.52	182.80	132.83	49.97
N. Union st. sewer extension	Sewer in N. Union st.	Northeasterly to Mystic river	Dennis F. O'Connell	18 20	* 599.5 * 53.3	Marsh mud	7.1	....	2	....	....	....	.....	....	....	....	....	....	8.41	5,492.08	.....	5,492.08
Passageway off Craigie	Sewer in Craigie st.	Westerly	Charles A. Kelley	10	148.3	Sand and gravel	8.9	....	....	1	....	.48	.....	....	2.00	.20	.04	.03	.82	133.53	74.54	58.99
Pearl	End of old sewer built in 1894	Westerly	Charles A. Mongan	8	63.2	Compact gravel and clay	6.7	....	....	1	....	.45	.....	....	4.00	.19	.04	.01	.85	53.41	\$ 53.41	.....
Pitman	Sewer in Spring st.	Westerly	Crimmings & Collins	10	168.6	Ledge	10.	126.6	....	1	....	.75	168.6	6.95	15.00	....	....	....	.73	1,106.56	206.34	900.22
Richardson terrace	Sewer in Richardson st.	Northeasterly	Maurice Buttimer	6	193.3	Compact gravel	10.3	....	....	1	....	.35	.....	....	2.00	.11	.02	....	.49	95.94	95.69	0.25
Richmond highlands	Sewer in Madison st.	Southerly	Charles A. Mongan	6	139.5	Compact gravel	9.1	....	....	....	....	.48	.....	....	....	.12	.03	....	.63	88.66	88.49	0.17
Spring Hill terrace	Sewer in Highland ave.	Southwesterly	Dennis C. Collins	10 8	397.0 158.8	Sand and gravel	8.9	....	3	....	....	.55 .50	.....	....	37.00	.24 .17	.05	.01	1.01	560.26	559.82	0.44
\$Stanford terrace	Sewer in Beacon st.	Northerly		8	322.		7.1	....	....	1	....	....	.....	....	....	....	....	....	....	....	....	\$.....
Sycamore	Sewer in Montrose st. built 1889	Westerly to centre of Sycamore st.	Charles A. Mongan	12*	22.5	Compact gravel and small boulders	8.8	....	1	1	....	.50	.....	....	40.00 6.00	.31 .18	.08 .09	.09	1.13	181.86	181.48	0.38
	Sycamore st.	Southwesterly to near Madison st.		8	139.0			....	....	....	....	....	.....	....	....	.18	....	....	....	....	....	....
Union st. and Mystic ave. sewer extension	A point on Mystic ave. near Austin st.	N. Union st.	Maurice Buttimer	12	‡ 554.	Clay and hardpan	5.7	....	2	....	....	.40	.....	....	60.00	....	....	....	2.19	1,215.53	.....	1,215.53
Walnut	Sewer in Pearl st.	Southwesterly	Charles A. Kelley	8	250.8	Compact gravel and ledge	8.8	5.7	1	....	....	.65	35	4.00	38.00	.18	.05	.07	1.19	297.26	250.10	47.16
Washington	Sewer in Somerville ave. near Union sq.	Southwesterly	Charles A. Mongan	10	335.0	Sand	8.9	....	2	....	....	.80	.....	....	43.00	.25	.08	.09	1.50	502.45	260.67	241.78
Total length and cost of new sewers built in 1895					7,060.5 ft.															\$13,822.22	\$5,487.03	\$8,333.19

* 18" Akron and 20" iron pipe laid in brick and concrete masonry, on pile foundation. ‡ 12" Akron pipe on timber foundation. § Cost paid by private parties.

SEWERS CONTRACTED FOR IN 1895, AND UNCOMPLETED DECEMBER 31st, 1895, FOR WHICH NO ASSESSMENTS HAVE BEEN MADE.

NAME OF STREET.	FROM	To	CONTRACTOR.	Size in inches.	Approximate length in feet completed.	Material.	Amounts paid to Dec. 31, 1895.
Mystic ave. and Moreland East Albion Fremont and Meacham	Met. sewer in Mystic ave. Moreland st. East Albion st. Fremont st.	Southwesterly East Albion Northwesterly Fremont Southwesterly Meacham Northwesterly Medford city line	H. A. Hanscom & Co.	8	50.0	AKRON PIPE	\$206.05
Willow ave. and Fosket	Old sewer built in 1880 Willow ave.	Northeasterly Fosket Northwesterly	Christopher Burke	10	50	AKRON PIPE	20.00
Winchester and Broadway	Manhole in Medford st. Winchester st.	Southeasterly Broadway Southeasterly Cedar	Christopher Burke	8	375	AKRON PIPE	43.26

Total length of sewers built by the city previous to January 1, 1895 308,018.7
Total length of sewers built during the year 1895 7,060.5
Total length of sewers built by the city January 1, 1896 315,079.2
Total length of sewers built by private parties 25,502.1
Total length of sewers built in the city January 1, 1896 340,581.3

sand and ninety-seven dollars and fifty-six cents. Medford Street Sewer, between Somerville avenue and the Fitchburg Railroad, has been partially rebuilt at a cost of two thousand four hundred and sixty-one dollars and ninety-six cents. It was found upon examination that the brick arch of this sewer had cracked and the sides had spread outward for a length of about two hundred and eleven feet, and it was necessary to rebuild a considerable portion on account of the contemplated paving of this part of Medford street.

The cost of cleaning the Bridge street outlet in Cambridge was two thousand and sixty-seven dollars and ninety-four cents; five ninths of this amount, or one thousand one hundred forty-eight dollars and eighty-six cents, was paid by the City of Somerville and the balance by the City of Cambridge.

OFFICE RECORDS.

Accurate plans of all new sewers constructed the past year have been made, showing names of abutting owners, frontages and areas assessed, and amounts of assessment. All house drains have been located and recorded, and all records have been properly indexed.

HIGHWAYS.

Ten streets, aggregating nine-tenths of a mile in length, have been accepted by the city, and one and seven-tenths miles of private streets have been opened by the land-owners in 1895; making a total of fifty-two and seven-tenths miles of public and thirty-three and nine-tenths miles of private streets, and a sum total of eighty-six and six-tenths miles of streets, both public and private, in the city December 31, 1895.

The Engineering Department has given lines and grades for highways whenever called upon.

Medford Street has been paved with granite blocks from the East Cambridge line to the Fitchburg Railroad; the foundation of the old street being of filled material of an uncertain quantity, a concrete foundation was laid in order to make a substantial street for heavy teaming.

The total cost of the work was as follows:—

3,583.7 sq. yds. granite block paving (concrete foundation) .	\$5,984.78	
1,212.9 lin. ft. edgestone set .	315.35	
36.6 sq. yds. brick sidewalk relaid	16.47	
56 sq. yds. crossings relaid . .	70.00	
79,453 granite blocks delivered .	4,052.10	
717.1 lin. ft. edgestone delivered	332.98	
1,400 bricks delivered . . .	19.60	
418.8 sq. ft. granite flagging delivered	134.02	
Extra work and materials . .	57.49	
Printing proposals	7.90	
Inspection of materials and work	426.42	
	<hr/>	\$11,417.11

CREDIT.

By amount paid by City of Cambridge and Squire and North Company's	\$ 351.48
Total cost to city	<hr/> \$11,065.63

That part of Medford street between the Fitchburg Railroad and Somerville avenue, a length of about four hundred and sixty feet, should also be paved with granite blocks on account of the heavy teaming.

An itemized account of all work done by the Highway Department will be found in the annual report of the Committee on Highways.

EDGESTONE AND BRICK SIDEWALKS.

Twenty-one thousand five hundred and sixty-nine linear feet of edgestone, or over four miles, have been set during the year 1895, for which the Engineering Department has given lines and grades; also nine thousand nine hundred and fifty-two square yards of brick sidewalk have been laid during the year.

There were in Somerville, December 31, 1895, sixty-three miles of edgestone and forty-one and seven-tenths miles of brick sidewalks.

Table showing the Location and Cost of Edgestones and Brick Sidewalks, of Paved Gutters and Roadway constructed in Streets where Edgestone was laid.

STREET.	SIDE.	FROM	To	WIDTH OF SIDEWALK.	MATERIALS.			PAVED GUTTERS.		GRAVEL.		MACADAM.	
					Gravel and Edgestones. Lineal feet.	Bricks. Sq. Yards.	Cost.	Sq. Yards.	Cost.	Sq. Yards.	Cost.	Sq. Yards.	Cost.
Aldrich	Westerly	Gilman st.	Pearl st.	6.67	.....	265.5	\$ 248.75	.....	.....	.....	.....	.....	.....
Beacon	Southerly	Museum st.	Oxford st.	11.00	1,911.3	.....	1,394.07	637	\$658.91	.....	.....	.....	.....
Bigelow	Both	Boston st.	Munroe st.	8.33	411.9	362.0	731.41	137	131.31	.....	.....	632	\$115.80
Brastow ave.	Both	Lowell st.	Porter st.	6.67	1,376.1	.....	1,079.59	459	563.25	.....	.....	.....	.....
Broadway	Southwesterly	Edmands st.	Est. of Addie N. Stackpole	15.00	.....	334.6	364.70	.....	.....	.....	.....	.....	.....
Chauncey ave.	Northwesterly	Jagues st.	Northerly 278 feet	8.33	.....	277.4	279.15	.....	.....	.....	.....	.....	.....
Cherry	Easterly	Elm st.	Summer st.	9.50	856.2	.....	659.98	Not completed	.....	.....	.....	.....	.....
Cherry	Westerly	"	Summer st.	9.50	897.1	681.9	1,306.10	Not completed	.....	.....	.....	1,900	1,170.65
Church	Westerly	Somerville ave.	Summer st.	6.67	.....	472.8	400.50	.....	.....	.....	.....	.....	.....
Delaware	Both	Aldrich st.	Pearl st.	6.67	881.4	.....	669.23	294	317.25	.....	.....	.....	.....
Dickinson	West and North	Beacon st.	Springfield st.	6.67	730.7	.....	583.44	243	290.10	.....	.....	.....	.....
Evergreen ave.	Both	Marshall st.	School st.	6.67	.....	550.0	588.90	.....	.....	.....	.....	.....	.....
Fanning ave.	Easterly	Highland ave.	Lexington ave.	6.67	415.0	.....	280.01	138	130.15	.....	.....	.....	.....
Gibbens	Northerly	Central st.	Benton ave.	6.67	.....	342.3	382.90	.....	.....	.....	.....	.....	.....
Greenville	Both	Boston st.	Munroe st.	6.67	524.5	372.5	773.33	Not completed	.....	.....	.....	.....	.....
Hathorn	Both	Broadway	Arlington st.	6.67	.....	451.5	469.50	.....	.....	.....	.....	.....	.....
Hawkins	Both	Washington st.	Somerville ave.	6.67	424.6	.....	282.40	142	142.10	.....	.....	.....	.....
Heath	North	Temple st.	Opposite Fenwick	6.67	.....	671.2	653.85	.....	.....	.....	.....	.....	.....
Hudson	Both	Central st.	Lowell st.	6.67	2,709.3	.....	1,974.92	Not completed	.....	.....	.....	.....	.....
Joseph	Northerly	Newton st.	Estate of Sanborn	6.67	376.5	303.0	538.28	126	114.45	.....	.....	.....	.....
Leon	Both	Dickinson st.	Concord ave.	6.67	339.0	.....	237.92	113	114.50	.....	.....	.....	.....
Main	Northeasterly	Estate of Jas. Sanborn	Medford line	8.33	.....	813.9	830.00	.....	.....	.....	.....	.....	.....
Medford	Southwest	Tennyson st.	Central st.	8.33	.....	184.7	208.55	.....	.....	.....	.....	.....	.....
Montgomery ave.	Both	Broadway	Wellington ave.	6.67	.....	353.7	331.55	.....	.....	.....	.....	.....	.....
Orchard	Southerly	Russell st.	Cambridge line	6.67	.....	21.6	28.25	.....	.....	.....	.....	.....	.....
Preston	North and East	School st.	Summer st.	6.67	.....	548.9	585.65	.....	.....	.....	.....	.....	.....
Prospect	East	Webster ave.	Cambridge line	8.33	835.8	.....	606.96	279	266.70	.....	.....	.....	.....
Russell	Easterly	Orchard	Cambridge line	6.67	243.4	165.0	315.07	Not completed	.....	.....	.....	.....	.....
Sewall	Both	Grant st.	Temple st.	6.67	1,224.8	.....	812.60	408	528.70	.....	.....	.....	.....
Stickney ave.	Easterly	Marshall st.	School st.	6.67	439.7	.....	330.67	Not completed	.....	.....	.....	.....	.....
St. James ave.	Easterly	Elm st.	Summer st.	6.67	531.0	.....	369.82	Not completed	.....	.....	.....	.....	.....
Stone ave.	Easterly	75 feet from Union sq.	Columbus ave.	6.67	580.1	.....	442.10	Not completed	.....	.....	.....	.....	.....
Summer	Southerly	Ashland st.	Cherry st.	7.50	263.2	.....	199.24	Not completed	.....	.....	.....	.....	.....
Washington	Northerly	Fitchburg R. R.	Dane st.	10.00	1,351.6	.....	930.40	450	502.75	.....	.....	.....	.....
William	Southerly	Chandler st.	Elm st.	6.67	384.3	.....	294.54	Not completed	.....	.....	.....	.....	.....
Totals . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	17,707.5	7,172.5	\$20,184.33	3,426	\$3,760.17	.....	.....	2,532	\$1,286.45

STREETS ACCEPTED IN 1895.

Name of Street.	From	To	Width in Feet.	Length in Feet.
Bradley	Pearl st.	Walter st.	40	762
Campbell park . .	Meacham st. . .	Kingston st. . .	40	399
Harrison	Mondamin ct. . .	Kent st.	40	309
Kenwood	Elm st.	Billingham st. . .	40	322
Kingston	Meacham st. . .	{ near Cambridge } { line }	40	628
Meacham	Orchard st. . . .	{ near Arlington } { Branch R. R. . }	40	558
Newberne	Appleton st. . .	Morrison st. . .	40	200
Rossmore	Somerville ave. .	Washington st. .	40	534
Stickney ave. . .	Marshall st. . .	School st. . . .	40	458
Walter	Walnut st. . . .	{ about 100 ft. N. } { of Bradley st. }	40	548

WATER WORKS.

Somerville will be supplied with water from the Metropolitan Water System within a very few years ; where the city is now paying to the City of Boston, yearly, a large sum for the use of water from Mystic Lake, of a very poor quality, she will receive, by the Metropolitan System, very much better water at a considerable less cost.

Probably the first line constructed will cross Somerville on the route from Chestnut Hill Reservoir, Brookline, to Spot Pond, Medford, running through Webster avenue, Bow street, Walnut street and Chauncey avenue ; from this line a number of connections can be made with some of the city's principal distributing mains, and thus have the use of the new system in the low-service district. Later a main will supply the high-service district and probably supersede the city's pumping station.

Lines and grades have been given by the Engineer's Department whenever required ; also all mains, services and gates have been located and properly recorded.

PUBLIC GROUNDS.

The city has taken in the past year, what is known as the Wyatt Clay Pit, off Washington street near the Fitchburg Railroad, for park purposes ; this pit has been enclosed by a board fence and the place is gradually being filled with ashes.

The dumping grounds, belonging to the city, located at the corner of Glen and Oliver streets, have been cleared and graded during the year.

The grounds in front of and around the New English High School, on Central Hill Park, have been graded, seeded, roads and walks constructed, and an area of eight hundred and thirty-four square yards, between the old and new buildings, concreted.

The total area of public parks in Somerville is thirty-nine and four-tenths acres.

Following are the items of expenditures for maintenance and improvements, on Public Grounds for the year 1895.

MAINTENANCE.

Broadway Park	\$1,878.11	
Broadway Parkway	128.50	
Central Hill Park	1,493.28	
Cemetery Grounds (Somerville ave.)	109.08	
Nathan Tufts Park	1,155.44	
Wyatt Pit Grounds	107.20	
	<hr/>	\$4,871.61

IMPROVEMENTS.

Central Hill Park (English High School Grounds)	\$4,781.73	
Glen street, corner Oliver street, Grounds	195.00	
Wyatt Pit (purchase)	4,012.27	
Wyatt Pit, fence, etc. . . .	590.35	
	<hr/>	\$9,579.35
Total Expenditures on Public Grounds, 1895		<hr/> \$14,450.96

PUBLIC BUILDINGS.

The Engineering Department has furnished specifications, plans, profiles and estimates for the grading of grounds, and has given all lines and grades for the construction of public buildings, whenever called upon.

STREET NUMBERING.

Before the making of the annual valuation of the city, which is begun on the first of May, assistants in the Engineer's Department affix the proper street numbers to all buildings not already numbered. This custom has proven of great value to the Assessors' Department in locating property correctly.

The entire cost of this numbering is assumed by the city.

WEST END STREET RAILWAY CO.

This company has laid a double track in Broadway, from Holland street to a new car house near the Arlington line, and has laid a double in place of a single track the entire length of Holland street, connecting, in Davis square, with the line in Highland avenue as well as with the one in Elm street. It has also relaid its tracks in Washington street from the Charlestown line to Union square. For all of this work the Engineering Department has given grades and furnished profiles; the entire length of street affected amounting to one and seven-tenths miles. All old lines have been equipped with electricity, so that Somerville has to-day over twelve miles of electric railroad in operation.

MIDDLESEX REGISTRY OF DEEDS.

A copy has been made of all plans recorded at East Cambridge during the past year, showing property in Somerville. All conveyances affecting sewer and sidewalk assessments, and the ownership of property on streets accepted by the city, have been thoroughly examined, and recorded in this office.

CITY SURVEY AND CITY MAP.

Traverses have been completed during the year 1895 so that the entire city is practically enclosed by survey lines, to which data the intersecting street lines can be added from time to time and thus have a complete and accurate survey of the whole city. From this work an accurate map of the entire city has been made and will be of great value for many purposes, not only in this department but in every department in the city; the last map having been made in the year 1889, since which time many changes have taken place.

BRIDGES.

BRIDGES OVER THE BOSTON AND LOWELL RAILROAD.

There are nine bridges over the Boston & Lowell Railroad in Somerville, seven of which are modern iron bridges of very recent construction ; but two more remain to be built, namely, School street and Sycamore street.

All of the new bridges have been built considerably wider than the old, to allow for extra tracks in the future.

BRIDGES OVER THE FITCHBURG RAILROAD.

There are three bridges over this railroad within the city limits, all of which will probably be replaced in the near future by modern iron structures, on account of the Fitchburg Railroad Corporation adding more tracks within its location, necessitating the widening of all bridges.

HIGHWAY BRIDGES OVER MYSTIC RIVER AND ALEWIFE BROOK.

The Middlesex avenue bridge over Mystic river is in fair condition and will probably serve for many years to come, unless an electric railway should be built through Middlesex avenue, which would necessitate the reconstruction of the bridge.

The Broadway and Boston avenue bridges over Alewife Brook are in the same general condition as in the past number of years, and need considerable repairing.

STREET MONUMENTS.

But few stone bounds or monuments to define street lines and angles have been set in the city for the past ten years, and many of the old street lines are nearly destroyed on account of the original bounds having been removed, from time to time, by the building of sewers and regrading and construction of streets.

In the City Engineer's Report of 1894 this matter is referred to, and the importance of replacing these old points accurately can be readily seen.

PERAMBULATION OF BOUNDARY LINES.

CAMBRIDGE.

December 12, 1895, a committee consisting of the superintendent of streets and the acting city engineer, representing the City of Somerville, with a similar committee from the City of Cambridge, examined all the bounds defining the division line between the two cities and made their report.

ARLINGTON.

December 19, 1895, the same committee that represented this city in perambulating the boundary line between Somerville and Cambridge, joined with representatives of the town of Arlington and performed a like duty on the boundary line between Somerville and Arlington, reporting in due form to the Board of Aldermen.

ERNEST W. BAILEY,
City Engineer.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Adams	Broadway	Medford st.	Public.	40	900	.....
Adrian	Marion st.	Joseph st.	Private.	40	.....	530
Albion place	Albion st.	Northeasterly	Private.	10	.....	80
Albion	Central st.	Cedar st.	Public.	40	2,742	.....
Albion	Broadway	Medford line	Private.	50	.....	100
Aldersey	Walnut st.	Vinal ave.	Public.	40	508	.....
Aldrich	Pearl st.	B. & L. R. R.	Public.	40	611	.....
Alfred	Broadway	Medford line	Private.	50	.....	50
Allen	Somerville ave.	Charlestown st.	Private.	25	.....	680
Allen ct.	Park st.	Northwesterly	Private.	20	.....	150
Alpine	Cedar st.	Southeasterly	Private.	30	.....	670
Alston	Cross st.	Shawmut pl.	Private.	40	.....	420
Ames	Bartlett st.	Robinson st.	Public.	40	580	.....
Appleton	Willow ave.	Clifton st.	Public.	40	510	.....
Appleton	Clifton st.	Liberty ave.	Private.	40	.....	120
Arlington	Franklin st.	Lincoln st.	Public.	40	440	.....
Arnold ct.	Beacon st.	Northeasterly	Private.	10	.....	115
Arthur ct.	Linden st.	Easterly	Private.	about 10	.....	100
Arthur	Broadway	Bonair st.	Public.	40	438	.....
Ash ave.	Meacham st.	Northeasterly	Private.	40	.....	705
Ashland	Summer st.	Sartwell ave.	Private.	30	.....	470
Asylum ave.	Washington st.	McLean Asylum	Private.	about 30	.....	2,000
Atherton	Central st.	Beech st.	Private.	40	.....	264
Auburn ave.	Cross st.	B. & L. R. R.	Private.	30	.....	600
Austin	Broadway	Mystic ave.	Public.	40	680	.....
Autumn	Broadway	Bonair st.	Private.	20	.....	420
Avon	School st.	Central st.	Private.	40	.....	1,360
Avon place	Cross st.	B. & L. R. R.	Private.	25	.....	150
Ayer ave.	Morrison ave.	Boston ave.	Private.	70	.....	1,500
Banks	Elm st.	Summer st.	Private.	40	.....	639
Bartlett	Vernon st.	Medford st.	Public.	40	820	.....
Bartlett	Medford st.	Broadway	Private.	40	.....	730
Bartlett	Washington st.	Asylum Grounds	Private.	20	.....	200
Bay State ave.	Broadway.	Fosket st.	Private.	40	.....	1,197
Beach ave.	Webster ave.	Columbia st.	Private.	about 20	.....	200
Beacon place	Beacon st.	Northeasterly	Private.	15	.....	200
Beacon	Cambridge line	Somerville ave.	Public.	66	6,100	.....
Beacon terrace	Somerville ave.	Northeasterly	Private.	24	.....	110
Bean's ct.	Cutter st.	Southeasterly	Private.	16	.....	100
Bedford	South st.	Cambridge line	Private.	30	.....	160
Beech	Somerville ave.	Spring st.	Public.	40	800	.....
Bellevue terrace	Albion st.	Northeasterly	Private.	20	.....	90
Belmont	Somerville ave.	Highland ave.	Public.	40	2,175	.....
Belmont place	Belmont st.	Southeasterly	Private.	25	.....	175
Benedict ave.	Broadway	Benedict st.	Private.	20	.....	200
Benedict	Union st.	Austin st.	Public.	40	600	.....
Bennett ct.	Bennett st.	Prospect st.	Private.	10	.....	100
Bennett	Prospect st.	Bennett ct.	Private.	40 to 25	.....	400
Benton ave.	Summer st.	Hudson st.	Private.	40	.....	1,210
Berkeley	School st.	Central st.	Public.	40	1,360	.....
Berwick	Lawrence st.	Northwesterly	Private.	20	.....	170
Bigelow	Boston st.	High st.	Public.	50	208	.....
Billingham	Broadway	William st.	Public.	40	563	.....
Bishop's place	Glen st.	Easterly	Private.	10	.....	75
Blakeley ave.	Winthrop ave.	Cross st.	Private.	40	.....	630
Bleachery ct.	Somerville ave.	Fitchburg R. R.	Private.	30	.....	450
Bolton	Oak st.	Houghton st.	Private.	40	.....	500
Bonair	Cross st.	Walnut st.	Public.	40	1,470	.....
Bond	Broadway	Jaques st.	Public.	40	640	.....
Bonner ave.	Washington st.	Columbus ave.	Public.	40	450	.....
Boston ave.	Medford line	Mystic River	Public.	60	910	.....

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.—*Continued.*

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
*Boston ave.	Cedar st.	Medford line	Private.	50	.....	1,200
Boston	Washington st.	Prospect Hill ave.	Public.	45	630	.....
Boston	Prospect Hill ave.	Walnut st.	Public.	40	1,250	.....
Bow	Union sq.	Wesley sq.	Public.	60	600	.....
Bow	Wesley pk.	Somerville ave.	Public.	50	500	.....
Bowdoin	Washington st.	Southerly	Private.	40	.....	370
Bow St. place	Bow st.	Northwesterly	Private.	40	.....	300
Bradford ave.	School st.	Southeasterly	Private.	40	.....	150
Bradley	Pearl st.	Walter st.	Public.	40	762	.....
Brastow ave.	Lowell st.	Porter st.	Public.	40	686	.....
Broadway	Charlestown line	Cross st.	Public.	100	2,590	.....
Broadway	Cross st.	Marshall st.	Public.	100 to 200	2,060	.....
Broadway	Marshall st.	Main st.	Public.	100	1,570	.....
Broadway	Main st.	Top of hill	Public.	100 to 90	1,030	.....
Broadway	Top of hill	Albion st.	Public.	90	2,540	.....
Broadway	Albion st.	Willow ave.	Public.	90 to 70	1,030	.....
Broadway	Willow ave.	Paulina st.	Public.	70	3,250	.....
Broadway	Paulina st.	Arlington line	Public.	65	3,220	.....
Broadway place	Broadway	Southwesterly	Private.	22	.....	250
Bromfield road	Elm	Professors' row	Private.	40	.....	1,260
Brook	Glen st.	Cross st.	Public.	40	500	.....
Brook	Dover st.	Northerly	Private.	40	.....	200
Browning road	Sycamore st.	Central st.	Private.	40	.....	679
Buckingham	Beacon st.	Dimick st.	Public.	40	300	.....
Burnside ave.	Elm st.	Summer st.	Private.	40	.....	720
Caldwell place	Washington st.	Southerly	Private.	20	.....	210
Calvin	Beacon st.	Dimick st.	Private.	40	.....	250
Calvin	Dimick st.	Washington st.	Private.	30	.....	395
Cambria	Central st.	Benton ave.	Private.	40	.....	488
Cameron ave.	Holland st.	Cambridge line	Private.	60	.....	1,000
Campbell pk.	Meacham st.	Kingston st.	Public.	40	399	.....
Campbell Pk. pl.	Kingston st.	Arlington Br. R.	Private.	20	.....	84
Carlton	Somerville ave.	Lake st.	Public.	40	300	.....
Carver	Porter st.	Northwesterly	Private.	40	.....	156
Cedar	Elm st.	Broadway	Public.	40	4,150	.....
Cedar ave.	Cedar st.	Linden ave.	Private.	22	.....	290
Cedar St. place	Murdock st.	Southwesterly	Private.	20	.....	220
Central	Somerville ave.	Summer st.	Public.	33	1,150	.....
Central	Summer st.	Medford st.	Public.	40	2,480	.....
Central	Medford st.	Broadway	Public.	45	1,070	.....
Centre	Albion st.	B. & L. R. R.	Private.	35	.....	200
Chandler	Park ave.	Broadway	Public.	40	1,232	.....
Chapel	Elm st.	Chandler st.	Public.	40	273	.....
Chapel ct.	Sycamore st.	Northwesterly	Private.	12	.....	130
Charles	Washington st.	Asylum Grounds	Private.	30	.....	200
Charlestown	Allen st.	Easterly	Private.	15	.....	400
Charnwood road	Willow ave.	Gordonia road	Private.	40	.....	588
Chauncey ave.	Broadway.	Mystic ave.	Public.	50	1,320	.....
*Chelsea	Mystic ave.	Melrose st.	Private.	50	.....	1,390
Cherry	Elm st.	Highland ave.	Public.	45	1,450	.....
Chester	Elm st.	Cambridge line	Public.	40	850	.....
Chester ave.	Medford st.	Angle	Public.	about 22	220	.....
Chester ave.	Angle	Cross st.	Private.	20	.....	445
Chester place	Chester st.	Northwesterly	Private.	40	.....	200
Chestnut	Poplar st.	Southeasterly	Private.	40	.....	540
Church	Summer st.	Somerville ave.	Public.	40	560	.....
Church (south)	Somerville ave.	Lake st.	Public.	40	340	.....
Church St. place	Church st. (south)	Northwesterly	Private.	25	.....	170
Claremon	Holland st.	Mead st.	Public.	40	560	.....
Clarendon ave.	Broadway	Cambridge line	Private.	40	.....	1,210
Clark	Newton st.	Northwesterly	Private.	35	.....	450

* Proposed.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.—*Continued.*

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Cleveland	Central st.	Elm place	Private.	40	.....	270
Clifton	Appleton st.	Morrison st.	Public.	40	240	.....
Clifton	Morrison st.	Arlington Br. R.	Private.	40	.....	220
Clyde	Cedar st.	Murdock st.	Private.	30	.....	600
College ave.	Broadway	Medford line	Public.	50	1,700	.....
Columbia	Glass House ct.	Cambridge line	Private.	40	.....	550
Columbia ct.	Columbia st.	Webster ave.	Private.	9	.....	150
Columbus ave.	Land of Clark	Walnut st.	Public.	40	1,000	.....
Columbus ct.	Washington st.	Northerly	Private.	30	.....	100
Concord ave.	Prospect st.	Leon st.	Public.	40	1,500	.....
Concord ave.	Leon st.	Beacon st.	Private.	30	.....	470
Congress place	Linwood st.	Southwesterly	Private.	16	.....	200
Conlon ct.	Columbia st.	Easterly	Private.	20	.....	200
Conwell	Highland ave.	Southwesterly	Private.	35	.....	360
Conwell ave.	Curtis st.	Westerly	Private.	40	.....	600
Cook	Marion st.	W. of So. Wyatt st.	Private.	40	.....	450
Cooney	Beacon st.	Line st.	Private.	26	.....	220
Cottage ave.	Russell st.	Chester st.	Public.	40	500	.....
Cottage place	Washington st.	Northwesterly	Private.	about 11	.....	150
Craigie	Somerville ave.	Summer st.	Public.	50	1,250	.....
Crescent	Washington st.	Pearl st.	Private.	30 to 38	.....	650
Crocker	Highland ave.	Crown st.	Public.	40	528	.....
Cross	Medford st.	Broadway	Public.	45	2,650	.....
Cross	Broadway.	Mystic ave.	Public.	40	1,100	.....
Crown	Porter st.	Lowell st.	Private.	30	.....	700
Curtis	Broadway	Medford line	Public.	40	2,300	.....
Cutler	Lawrence st.	Northwesterly	Private.	20	.....	170
Cutter	Broadway	Webster st.	Public.	40	740	.....
Cutter ave.	Summer st.	Highland ave.	Public.	40	430	.....
Cutter place	Cutter ave.	Northwesterly	Private.	30	.....	155
Cypress	Central st.	Beech st.	Public.	40	262	.....
Dana	Bonair st.	Pearl st.	Public.	40	690	.....
Dane	Somerville ave.	Washington st.	Public.	40	1,270	.....
Dane ct.	Dane st.	Easterly	Private.	30	.....	600
Dartmouth	Medford st.	Broadway	Public.	40	1,450	.....
Day	Elm st.	Cambridge line	Public.	40	940	.....
*Dean ave.	Morrisbn ave.	Boston ave.	Private.	40	.....	1,145
Delaware	Aldrich st.	Pearl st	Public.	40	451	.....
Dell	Glen st.	Tufts st.	Private.	40	.....	465
Derby	Temple st.	Grant st.	Public.	40	831	.....
Derby	Grant st.	Wheatland st.	Private.	40	.....	200
Dexter	Broadway	Medford line	Private.	50	.....	25
Dickinson	Springfield st.	Beacon st.	Public.	40	770	.....
Dimick	Concord ave.	Calvin st.	Private.	40	.....	860
Distillhouse	South st.	Cambridge line	Private.	35	.....	150
Dix place	Linwood st.	Southwesterly	Private.	10	.....	100
Dover	Elm st.	Cambridge line	Public.	40	940	.....
Dow	North st.	Easterly	Private.	40	.....	645
Downer place	Downer st.	B. & L. R. R.	Private.	20	.....	125
Downer	Nashua st.	Southeasterly	Private.	20	.....	120
Dresden circle	Cutter ave.	Westerly	Private.	30	.....	133
Durham	Beacon st.	Hanson st.	Private.	40	.....	450
Earle	South st.	Fitchburg R. R.	Private.	30	.....	500
East Albion	E. of Moreland st.	Medford line	Private.	40	.....	490
Eastman place	Highland ave.	Southwesterly	Private.	40	.....	300
East Newton	Prospect st.	Webster ave.	Public.	25	470	.....
*Edgeworth	Mystic ave.	Melrose st.	Private.	50	.....	1,380
Edmands	Broadway	Southwesterly	Private.	40	.....	525
Electric ave.	Curtis st.	Westminster st.	Private.	40	.....	265
Eliot	Vine st.	Park st.	Public.	40	260	.....

* Proposed.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS. — *Continued.*

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Ellington road	Highland ave.	Northeasterly	Private.	35	.....	120
Ellington road	West st.	Northwesterly	Private.	30	.....	405
Ellsworth	Cross st.	Rush st.	Public.	40	210	.....
Elm ct.	Villa ave.	Northwesterly	Private.	18	.....	70
Elm place	Harvard st.	East'y & West'y	Private.	30	.....	400
Elm	Somerville ave.	Cherry st.	Public.	63	1,500	.....
Elm½	Cherry st.	White st.	Public.	63 to 60	330	.....
Elm	White st.	Banks st.	Public.	60	660	.....
Elm½	Banks st.	Beech st.	Public.	60 to 77.5	290	.....
Elm	Beech st.	Tenney st.	Public.	77.5 to 60	570	.....
Elm	Tenney st.	Medford line	Public.	60	4,300	.....
Elmwood	Holland st.	Cambridge line	Private.	40	.....	970
Elston	Elm st.	Summer st.	Public.	40	396	.....
Emerson	Everett st.	Newton st.	Private.	30	.....	170
Emery	Fitchburg R. R.	South st.	Private.	30	.....	530
Endicott ave.	Broadway	Southwesterly	Private.	40	.....	800
Essex	Medford st.	Richdale ave.	Public.	40	232	.....
Eustis court	Beacon st.	Southwest	Private.	30	.....	150
Everett	Webster ave.	Newton st.	Private.	30	.....	350
Everett ave.	Cross st.	Dana st.	Public.	40	800	.....
Evergreen ave.	Marshall st.	Sycamore st.	Public.	40	1,320	.....
Evergreen sq.	Porter st.	Southeasterly	Private.	8	.....	200
Fairlee	Cherry st.	Northwesterly	Private.	30	.....	150
Fairmount ave.	Curtis st.	Northwesterly	Private.	40	.....	700
Fanning ave.	Highland ave.	Lexington ave.	Public.	50	376	.....
Farragut ave.	Broadway	Southwesterly	Private.	40	.....	840
Fenwick	Broadway	Heath st.	Public.	40	340	.....
Fisk ave.	Hinckley st.	Lowell st.	Private.	20 and 25	.....	460
Fitchburg ct.	Fitchburg st.	Southeasterly	Private.	10	.....	225
Fitchburg	Linwood st.	B. & L. R. R.	Private.	40	.....	400
Fitchburg	Linden st.	Easterly	Private.	20	.....	300
Flint ave.	Flint st.	Northerly	Private.	40	.....	200
Flint	Franklin st.	Aldrich st.	Public.	40	1,773	.....
Florence	Washington st.	Perkins st.	Public.	40	1,280	.....
Folger	Broadway	Fairmount ave.	Private.	40	.....	280
Forrest	Beacon st.	Cambridge line	Public.	40	150	.....
Forster	Sycamore st.	Central st.	Private.	30	.....	430
Fosket	Willow ave.	Liberty ave.	Private.	40	.....	670
Fountain ave.	Cross st.	Glen st.	Private.	30	.....	550
Francesca ave.	Elm st.	Liberty ave.	Public.	40	762	.....
Francis	Porter st.	Conwell st.	Private.	30	.....	180
Franklin ave.	Washington st.	Franklin st.	Private.	20	.....	500
Franklin ct.	Somerville ave.	B. & L. R. R.	Private.	.....	.....	200
Franklin place	Franklin st.	Southeasterly	Private.	15	.....	100
Franklin	Broadway.	Northerly	Private.	40	.....	120
Franklin	Broadway.	Washington st.	Public.	40+	2,230	.....
*Frederick ave.	Willow ave.	Cedar st.	Private.	45	.....	1,360
Fremont	Main st.	Near Mystic ave.	Private.	40	.....	1,397
Fremont ave.	Parker st.	East'y & West'y	Private.	30	.....	235
Frost ave.	Somerville ave.	Dane st.	Private.	35	.....	550
Garden ct.	Somerville ave.	Fitchburg R. R.	Private.	25	.....	370
Garfield ave.	Broadway	Mystic ave.	Private.	40	.....	1,150
Garrison ave.	Broadway	Southwesterly	Private.	40	.....	850
George	Broadway	Lincoln ave.	Private.	40	.....	350
Gibbens	Central st.	Benton ave.	Public.	40	492	.....
Giles place	Walnut st.	Northwesterly	Private.	32.71	.....	168
Gill's ct.	Franklin st.	Westerly	Private.	10	.....	100
Gilman	Cross st.	Walnut st.	Public.	40	1,430	.....
Gilman terrace	Pearl st.	Northeasterly	Private.	40	.....	360
Glass House ct.	Webster ave.	Easterly	Private.	40	.....	200

* Proposed.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.— *Continued.*

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Glen	Broadway	Tufts st.	Public.	40	2,300	.....
Glendale	Cameron ave.	Yorktown st.	Private.	40	.....	410
Glover circle	Meacham st.	Southeasterly	Private.	20	.....	110
Gordonia road	Summer st.	Charnwood road	Private.	40	.....	263
Gorham	Holland st.	Howard st.	Public.	40	763	.....
Gould ave.	Porter st.	Southeasterly	Private.	16	.....	156
Grand View ave.	Walnut st.	Vinal ave.	Public.	40	470	.....
Granite	Somerville ave.	Osgood st.	Private.	40	.....	400
Grant	Broadway	Mystic ave.	Private.	40	.....	1,350
Greene	Summer st.	Laurel st.	Public.	40	555	.....
Greenville	Medford st.	High st.	Public.	40	660	.....
Greenwood ter.	Beacon st.	Northeasterly	Private.	25	.....	165
Grove	Elm st.	Morrison st.	Public.	40	985	.....
Hadley ct.	Franklin st.	Westerly	Private.	20	.....	150
Hall	Cedar st.	Cherry st.	Private.	30	.....	350
Hall ave.	Elm st.	Liberty ave.	Public.	40	926	.....
Hamlet	Highland ave.	Southwesterly	Private.	30	.....	400
Hammond	Dickinson st.	Concord ave.	Private.	40	.....	273
Hancock	Elm st.	Summer st.	Public.	40	781	.....
Hanson ave.	Hanson st.	Easterly	Private.	30	.....	252
Hanson	Washington st.	Vine st.	Private.	35	.....	750
Harding	South st.	Cambridge line	Private.	30	.....	115
Harris	Beacon st.	Cambridge line	Private.	35	.....	150
Harrison	Ivaloo st.	Mondamin ct.	Public.	40	335	.....
Harrison	Mondamin ct.	Kent st.	Public.	40	309	.....
Harrison	Elmwood st.	Southeasterly	Private.	40	.....	210
Harvard	Summer st.	Beech st.	Public.	40	650	.....
Harvard place	Harvard st.	Westerly	Private.	35	.....	200
Hathorn	Broadway	Arlington st.	Public.	40	330	.....
Hawkins	Somerville ave.	Washington st.	Public.	40	330	.....
Hawthorne	Willow ave.	Cutter ave.	Private.	30	.....	810
Hayden terrace	Linden ave.	Easterly	Private.	20	.....	120
Heath	Temple st.	Bond st.	Public.	45	1,043	.....
Heath	Bond st.	Moreland st.	Private.	45	.....	750
Henderson	Richardson st.	B. & L. R. R.	Private.	20	.....	535
Hennessey ct.	Medford st.	Fisk ave.	Private.	20	.....	250
Henry ave.	Highland ave.	Lexington ave.	Private.	40	.....	290
Herbert	Chester st.	Day st.	Public.	40	360	.....
Hersey	Berkeley st.	Oxford st.	Private.	40	.....	230
Highland ave.	Medford st.	Davis sq.	Public.	60	9,100	.....
Hillside ave.	Pearl st.	Southwesterly	Private.	30	.....	150
Hillside park	Walnut st.	Northwesterly	Private.	40	.....	245
Hinckley	Broadway	Lawrence st.	Private.	30	.....	430
Hodgdon place	Dane ct.	Northeasterly	Private.	about 20	.....	150
Holland	Davis sq.	Broadway	Public.	60	2,650	.....
Holt ct.	Wyatt st.	Westerly	Private.	10	.....	70
Holt's ave.	Oak st.	Southeasterly	Private.	10	.....	100
Homer sq.	Bonner ave.	Northwesterly	Private.	30+	.....	200
Horace	South st.	Fitchburg R. R.	Private.	30	.....	510
Houghton	Prospect st.	Springfield st.	Private.	40	.....	750
Howard	Thorndike st.	Gorham st.	Private.	40	.....	430
Howard	Whipple st.	Willow ave.	Private.	30	.....	255
Howe	Marshall st.	School st.	Public.	40	445	.....
Hudson	Central st.	Cedar st.	Public.	40	2,760	.....
Hunting	South st.	Cambridge line	Private.	10	.....	125
Ibbetson	Somerville ave.	Lowell st.	Private.	40	.....	803
Irving	Holland st.	Broadway	Public.	40	1,180	.....
Ivaloo	Beacon st.	Park st.	Public.	40	650	.....

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.—*Continued.*

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Jackson	Medford st.	Maple st.	Private.	30	.....	150
James	Pearl st.	Veazie st.	Public.	40	320	.....
Jaques	Chauncey ave.	Temple st.	Public.	40	1,200	.....
Jaques	Temple st.	Bond st.	Public.	45	1,050	.....
*Jasper	Pearl st.	Gilman st.	Private.	40	.....	300
Jay	Holland st.	Howard st.	Private.	40	.....	525
Jenny Lind ave.	Vernon st.	Broadway.	Public.	40	1,507	.....
Jerome ct.	Sycamore st.	Jerome st.	Private.	10	.....	150
Jerome	Montrose st.	Jerome ct.	Private.	20	.....	125
Joseph	Newton st.	Northwesterly	Public.	40	385	.....
Josephine ave.	Morrison ave.	Broadway	Private.	45	.....	1,715
Joy	Washington st.	Poplar st.	Private.	30	.....	1,150
Joy St. place	Joy st.	Southwesterly	Private.	30	.....	175
Kensington ave.	Broadway	Blakeley ave.	Private.	40	.....	440
Kent ct.	Kent st.	Northerly.	Private.	about 25	.....	420
Kent	Somerville ave.	Fitchburg R. R.	Private.	40	.....	300
Kent	Fitchburg R. R.	Beacon st.	Private.	25	.....	400
Kenwood	Elm st.	Billingham st.	Public.	40	322	.....
Kidder ave.	Elm st.	Willow ave.	Private.	40	.....	1,280
Kilby	Somerville ave.	Southwesterly	Private.	20	.....	180
Kimball st.	Lowell st.	Craigie st.	Private.	40	.....	303
Kingman ct.	Washington st.	Fitchburg R. R.	Private.	25	.....	400
Kingston	Meacham st.	Campbell pk.	Public.	40	628	.....
Knapp	School st.	Granite st.	Public.	40	379	.....
Knowlton	Oliver st.	Tufts st.	Private.	40	.....	925
Lake	Hawkins st.	Church st.	Public.	40	860	.....
Lamson ct.	Linwood st.	Poplar st.	Private.	20	.....	370
Landers	School st.	Westerly	Private.	40	.....	280
Laurel ave.	Laurel st.	Northwesterly	Private.	18	.....	125
Laurel	Somerville ave.	Summer st.	Public.	40	940	.....
Lawrence	Hinckley st.	B. & L. R. R.	Private.	35	.....	650
Lawrence	Boston ave.	Southwesterly	Private.	35	.....	710
Lawson terrace	Putnam st.	Easterly	Private.	5	.....	200
Lee	Medford st.	Richdale ave.	Private.	40	.....	385
Leland	Washington st.	Northeasterly	Private.	40	.....	250
Leon	Concord ave.	Dickinson st.	Public.	40	155	.....
Leonard place	Joy st.	Northeasterly	Private.	13+	.....	98
Lesley ave.	Highland ave.	Lexington ave.	Private.	40	.....	333
Leslie place	Highland ave.	Northerly	Private.	12	.....	75
Lester terrace	Meacham st.	Northwesterly	Private.	20	.....	190
Lexington ave.	Willow ave.	Cedar st.	Private.	50	.....	1,360
Liberty ave.	Appleton st.	Broadway	Private.	40	.....	1,495
Lincoln ave.	Lincoln st.	Mt. Vernon st.	Private.	40	.....	450
Lincoln place	Lincoln ave.	Northerly	Private.	9	.....	120
Lincoln	Broadway	Perkins st.	Public.	40	550	.....
Linden	Somerville ave.	Fitchburg R. R.	Private.	30	.....	705
Linden ave.	Elm st.	Summer st.	Public.	45	1,050	.....
Linden ave.	Summer st.	Northeasterly	Private.	45	.....	250
Linden place	Linden ave.	Northwesterly	Private.	20	.....	160
Line	Washington st.	Cambridge line.	Private.	33	.....	1,750
Linehan ct.	Linwood st.	Chestnut st.	Private.	about 15	.....	200
Linwood place	Linwood st.	Southwesterly	Private.	about 12	.....	150
Linwood	Somerville ave.	Washington st.	Public.	50	2,050	.....
London	Linwood st.	B. & L. R. R.	Private.	40	.....	340
Loring	Somerville ave.	Northeasterly	Private.	40	.....	400
Louisburg place	Autumn st.	Easterly	Private.	13	.....	90
Lowell	Somerville ave.	Albion st.	Private.	33+	.....	2,580
Lowell	B. & L. R. R.	Vernon st.	Private.	33+	.....	60
Lowell	Vernon st.	Medford st.	Public.	40	1,141	.....
Lowden	Broadway	Fosket st.	Private.	40	.....	1,205

* Proposed.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.—*Continued.*

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Madison	School st.	Sycamore st.	Public.	40	891	.....
Main	Broadway	Medford line	Public.	50	950	.....
*Malden	Mystic ave.	Melrose st.	Private.	50	.....	1,360
Mallet	Willow ave.	Liberty ave.	Private.	40	.....	580
Malloy ct.	Somerville ave.	Merriam ave.	Private.	30	.....	255
Malvern ave.	Cameron ave.	Yorktown st.	Private.	40	.....	410
Mansfield	Somerville ave.	Washington st.	Private.	40	.....	730
Maple ave.	School st.	Southeasterly	Private.	40	.....	300
Maple	Poplar st.	Jackson st.	Private.	30	.....	470
Maple place	Marshall st.	Maple ave.	Private.	5	.....	125
Marion	Concord ave.	Adrian st.	Private.	40	.....	170
Marshall	Broadway	Pearl st.	Public.	40	1,650	.....
Mason ave.	Orchard st.	Cambridge line	Private.	35	.....	220
May place	Hawkins st.	Easterly	Private.	12	.....	100
McCulpe place	Medford st.	Easterly	Private.	10	.....	110
McGregor place	Wigglesworth st.	Walnut st.	Private.	about 10	.....	250
Meacham	Orchard st.	Cambridge line	Public.	40	100	.....
Meacham	Arlington B. R. R.	Orchard st.	Public.	40	558	.....
Meacham	Mt. Vernon ave.	Medford line	Private.	40	.....	800
Mead	Cameron ave.	Moore st.	Private.	40	.....	340
Medford	Cambridge line	Central st.	Public.	50	8,150	.....
Medford	Central st.	Broadway	Public.	55	1,950	.....
Melburn place	Summer st.	Northeasterly	Private.	30	.....	125
Melrose	Mystic ave.	Middlesex ave.	Private.	50	.....	2,310
Melvin	Broadway	Bonair st.	Private.	40	.....	487
Merriam ave.	Merriam st.	Malloy ct.	Private.	15	.....	255
Merriam	Somerville ave.	Charlestown st.	Private.	30	.....	500
Middlesex ave.	Mystic ave.	Medford line	Public.	60	3,400	.....
Milk St. place	Somerville ave.	Southwesterly	Private.	about 30	.....	100
Miller	Sacramento st.	Northwesterly	Private.	33	.....	350
Mills	Walnut st.	Sargent ave.	Public.	40	560	.....
Miner	Vernon st.	Ames st.	Public.	40	244	.....
Mondamin ct.	Ivaloo st.	Harrison st.	Private.	25	.....	250
Montgomery av.	Broadway	Wellington ave.	Public.	40	265	.....
Montrose ct.	Montrose st.	B. & L. R. R.	Private.	12	.....	110
Montrose	School st.	Sycamore st.	Public.	40	886	.....
Moore	Holland st.	Mead st.	Public.	40	695	.....
Moreland	Main st.	Mystic ave.	Private.	40	.....	1,513
Morgan	Beacon st.	Park st.	Public.	40	.....	350
Morrison ave.	Willow ave.	Cedar st.	Private.	50	.....	1,366
Morrison place	Morrison st.	Northerly	Private.	20	.....	190
Morrison place	Morrison pl.	Easterly	Private.	15	.....	175
Morrison	Willow ave.	Elm st.	Public.	40	1,700	.....
Mortimer place	Marshall st.	Southeasterly	Private.	20	.....	150
Morton	Glen st.	Knowlton st.	Private.	40	.....	285
Mossland	Somerville ave.	Elm st.	Public.	40	350	.....
Mountain ave.	Linden ave.	Porter st.	Private.	22	.....	310
Mousal place	North Union st.	B. & M. R. R.	Private.	20	.....	200
Mt. Pleasant av.	Curtis st.	Northwesterly	Private.	40	.....	700
Mt. Pleasant ct.	Perkins st.	Southwesterly	Private.	40	.....	260
Mt. Pleasant	Broadway	Perkins st.	Public.	33	570	.....
Mt. Vernon ave.	Main st.	Meacham st.	Private.	50	.....	800
Mt. Vernon	Washington st.	Pearl st.	Public.	40	600	.....
Mt. Vernon	Pearl st.	Perkins st.	Public.	50	450	.....
Mt. Vernon	Perkins st.	Broadway	Public.	40	600	.....
Monmouth	Central st.	Westerly	Public.	40	267	.....
Monmouth	End of above	Harvard st.	Private.	35	.....	200
Munroe	Walnut st.	Easterly	Public.	40	375	.....
Munroe	End of above	Boston st.	Private.	50	.....	1,100
Murdock	Cedar st.	Clyde st.	Private.	30	.....	900
Murray	Washington st.	Southerly	Private.	30	.....	250
Museum	Beacon st.	Cambridge line	Private.	40	.....	170

* Proposed.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.—*Continued.*

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Myrtle ct.	Myrtle st.	Easterly	Private.	10	.....	100
Myrtle	Washington st.	Perkins st.	Public.	40	1,400	.....
Mystic ave.	Charlestown line	Union st.	Public.	60	350	.....
Mystic ave.	Union st.	Medford line	Public.	66	6,900	.....
Mystic	Washington st.	Somerville ave.	Public.	40	360	.....
Mystic	Benedict st.	Mystic ave.	Private.	40	.....	330
Nashua	Richardson st.	B. & L. R. R.	Private.	35	.....	640
Nevada ave.	Village st.	Hanson st.	Private.	20	.....	200
Newberne	Appleton st.	Morrison st.	Public.	40	200	.....
Newbury	Holland st.	Cambridge line	Public.	40	1,250	.....
Newman place	Cedar st.	Southeasterly	Private.	10+	.....	100
Newton place	Newton st.	Easterly	Private.	about 10	.....	100
Newton	Webster ave.	Concord ave.	Public.	40+	650	.....
Norfolk	Webster ave.	Cambridge line	Public.	40	200	.....
North	Broadway	Medford line	Public.	40	2,550	.....
North Union	Mystic ave.	Northeasterly	Private.	30	.....	600
Norton	Nashua st.	Southeasterly	Private.	20	.....	200
Norwood ave.	Broadway	Medford st.	Public.	40	350	.....
Oak	Prospect st.	Angle	Public.	40	670	.....
Oak	Angle	Cambridge line	Private.	30	.....	530
Oak St. place	Oak st.	Northerly	Private.	4	.....	85
Oakland ave.	Marshall st.	School st.	Public.	40	440	.....
Olive ave.	Linden ave.	Southeasterly	Private.	25	.....	155
Olive sq.	Lake st.	Southerly	Private.	about 15	.....	100
Oliver	Franklin st.	Cross st.	Public.	40	1,050	.....
Orchard	Cambridge line	Meacham st.	Public.	40	1,625	.....
Osgood	Granite st.	East'y & West'y	Private.	40	.....	450
Otis	Cross st.	Wigglesworth st.	Public.	40	1,200	.....
Oxford	School st.	Central st.	Private.	30+	.....	1,330
Oxford	Beacon st.	Cambridge line	Public.	50	100	.....
Packard ave.	Broadway	Medford line	Private.	60	.....	2,000
Palmer ave.	Franklin st.	Northwesterly	Private.	20	.....	200
Park ave.	Elm st.	Wallace st.	Public.	40	450	.....
Park place	Laurel st.	Easterly	Private.	30	.....	220
Park place	Park pl.	Northeasterly	Private.	20	.....	150
Park	Somerville ave.	Beacon st.	Public.	50	1,300	.....
Parker place	Porter st.	Northwesterly	Private.	20	.....	150
Parker	Washington st.	Fremont ave.	Private.	35	.....	200
Partridge ave.	Vernon st.	Broadway	Public.	40	1,457	.....
Patten ct.	Cutter st.	Southeasterly	Private.	8	.....	100
Paulina	Broadway	Holland st.	Private.	40	.....	775
Pearl	Crescent st.	Mt. Vernon st.	Public.	40	300	.....
Pearl	Mt. Vernon st.	Franklin st.	Public.	50	950	.....
Pearl	Franklin st.	Cross st.	Public.	40	1,025	.....
Pearl	Cross st.	Medford st.	Public.	50	2,475	.....
Pearl terrace	Pearl st.	Northerly	Private.	23	.....	161
Pearl St. place	Pearl st.	Northeasterly	Private.	20	.....	200
*Pearson ave.	Morrison ave.	Boston ave.	Private.	45	.....	1,300
Pearson road	Elm st.	Professors' row	Private.	40	.....	1,090
Pembroke ct.	Pembroke st.	Southwesterly	Private.	25	.....	130
Pembroke	Central st.	Sycamore st.	Private.	40	.....	440
Perkins place	Perkins st.	Northeasterly	Private.	20	.....	200
Perkins	Franklin st.	Charlestown line	Public.	40	1,350	.....
Pinckney place	Pinckney st.	Southeasterly	Private.	24	.....	125
Pinckney	Washington st.	Perkins st.	Public.	40	1,170	.....
Pitman	Beech st.	Spring st.	Private.	30	.....	380
Pitman	Spring st.	Belmont st.	Private.	26	.....	390
Pleasant ave.	Walnut st.	Vinal ave.	Public.	40	470	.....
Poplar ct.	Poplar st.	Southeasterly	Private.	10	.....	80
Poplar	Somerville ave.	Linwood st.	Private.	30	.....	350

* Proposed.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.— *Continued.*

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Poplar	Linwood st.	Joy st.	Private.	35	.....	300
Porter ave.	Porter st.	Northwesterly	Private.	20	.....	220
Porter place	Porter st.	Northwesterly	Private.	20	.....	195
Porter	Elm st.	Mountain ave.	Public.	45	1,530	.....
Porter	Mountain ave.	Highland ave.	Public.	40	425	.....
Prescott	Summer st.	Highland ave.	Public.	50	1,050	.....
Preston	School st.	Summer st.	Public.	40	800	.....
Professors' row	Boston ave.	College ave.	Private.	50	.....	460
Professors' row	College ave.	Curtis st.	Private.	40	.....	1,900
Prospect	Washington st.	Cambridge line	Public.	50	2,050	.....
Prospect Hill av.	Medford st.	High st.	Public.	40	450	.....
Prospect place	Prospect st.	E. Newton st.	Private.	20	.....	130
Putnam	Summer st.	Highland ave.	Public.	50	1,240	.....
Quincy	Somerville ave.	Summer st.	Public.	40	700	.....
Randolph place	Cross st.	Westerly	Private.	15	.....	244
Raymond ave.	Curtis st.	North st.	Public.	40	1,345	.....
Record's place	Broadway.	Southwesterly	Private.	10	.....	110
Reed's ct.	Oliver st.	Southwesterly	Private.	20	.....	105
Remick ct.	Cutter st.	Southeasterly	Private.	10	.....	100
Richardson	Lowell st.	Lawrence st.	Private.	35	.....	480
Richardson ter.	Richardson st.	Northeasterly	Private.	20	.....	135
Richdale ave.	School st.	Sycamore st.	Public.	40	875	.....
Richmond h'l's.	Madison st.	Southerly	Private.	30	.....	150
Roberts	Lawrence st.	Northwesterly	Private.	20	.....	170
Robinson	Central st.	Bartlett st.	Public.	40	582	.....
Rogers ave.	Morrison ave.	Broadway	Private.	45	.....	1,700
Roseland	Beacon st.	Cambridge line	Public.	40	100	.....
Rossmore	Somerville ave.	Washington st.	Public.	40	534	.....
Rush	Broadway	Flint st.	Public.	40	1,400	.....
Russell	Elm st.	Cambridge line	Public.	40	700	.....
Sacramento	Somerville ave.	Cambridge line	Private.	40	.....	600
Sanborn ave.	Warren ave.	Walnut st.	Public.	40	280	.....
Sargent ave.	Broadway.	Mills st.	Public.	40	522	.....
Sartwell ave.	Cedar st.	Cherry st.	Private.	35	.....	400
Sawyer ave.	Packard ave.	Curtis st.	Private.	40	.....	690
School	Somerville ave.	Highland ave.	Public.	40	1,870	.....
School	Highland ave.	Broadway	Public.	50	2,500	.....
Sellon place	Marshall st.	Northwesterly	Private.	12	.....	120
Seven Pines ave.	Cameron ave.	Cambridge line	Private.	40	.....	80
Sewall ct.	Sewall st.	Southwesterly	Private.	25	.....	190
Sewall	Grant st.	Temple st.	Public.	40	615	.....
Shawmut place	Shawmut st.	Alston st.	Private.	30	.....	200
Shawmut	Washington st.	Cross st.	Public.	40	550	.....
Shedd	Somerville ave.	Merriam ave.	Private.	40	.....	310
Sherman place	Sargent ave.	Marshall st.	Private.	10	.....	250
Sherman	Somerville ave.	Frost ave.	Private.	35	.....	270
Sibley ct.	Cutter st.	Northwesterly	Private.	10	.....	100
Sibley place	Cutter st.	Northwesterly	Private.	10	.....	100
Simpson ave.	Broadway	Holland st.	Private.	40	.....	825
Skehan	Dane st.	Durham st.	Private.	30	.....	720
Smith ave.	Beacon st.	Line st.	Private.	25+	.....	200
Snow place	Belmont st.	Easterly	Private.	30	.....	160
Snow place	Snow pl.	Northerly	Private.	25	.....	100
Snow terrace	Jaques st.	Southwesterly	Private.	16	.....	120
Somerville ave.	E. Cambridge line	Union sq.	Public.	75	2,300	.....
Somerville ave.	Union sq.	N. Cambridge line	Public.	70	8,800	.....
South	Medford st.	Westerly	Private.	30	.....	940
*Southwick ave.	Morrison ave.	Boston ave.	Private.	40	.....	990
Spring ct.	Somerville ave.	Westerly	Private.	20	.....	200

* Proposed.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.—*Continued.*

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Spring	Somerville ave.	Summer st.	Public.	40	1,200	.....
Springfield	Concord ave.	Cambridge line	Public.	40	800	.....
Spring Hill ter.	Highland ave.	Belmont st.	Private.	20	.....	670
Stanford terrace	Beacon st.	Northeasterly	Private.	20	.....	200
Stickney ave.	Marshall st.	School st.	Public.	40	458	.....
St. James ave.	Elm st.	Summer st.	Public.	40	488	.....
Stone ave.	Union sq.	Columbus ave.	Public.	40	676	.....
Stone place	Stone ave.	Southeasterly	Private.	30	.....	145
Summer	Bow st.	Elm st.	Public.	45	7,700	.....
Summit ave.	Walnut st.	Vinal ave.	Public.	45	470	.....
Summit	Elm st.	Billingham st.	Public.	40	262	.....
Sumner	Lawrence st.	Northwesterly	Private.	20	.....	175
Sunnyside ave.	Walnut st.	Wigglesworth st.	Private.	35	.....	250
Sycamore	Broadway	Medford st.	Public.	45	1,250	.....
Sycamore	Medford st.	Richdale ave.	Private.	40	.....	550
Sycamore	Richdale ave.	Highland ave.	Private.	33	.....	800
Sydney	Wheatland st.	Temple st.	Private.	40	.....	925
Talbot ave.	Packard ave.	College ave.	Private.	50	.....	1,409
Taunton	So. Wyatt st.	Easterly to angle	Private.	30	.....	170
Taunton	Angle	Marion st.	Private.	20	.....	95
Taylor place	Somerville ave.	Southerly	Private.	15	.....	200
Taylor	Mystic ave.	Sidney st.	Private.	40	.....	310
Temple	Broadway	Mystic ave.	Public.	66	1,540	.....
Tenney ct.	Mystic ave.	Northeasterly	Private.	30	.....	400
Tennyson	Forster st.	Medford st.	Public.	40	469	.....
Tennyson	Medford st.	Pembroke st.	Private.	40	.....	400
Thorndike	Holland st.	Kingston st.	Private.	40	.....	580
Thorpe place	Highland ave.	Southwesterly	Private.	30	.....	450
Thurston	Broadway	Richdale ave.	Public.	40	1,660	.....
Tower ct.	Tyler st.	Northeasterly	Private.	25	.....	150
Tower	Crown st.	Highland ave.	Private.	40	.....	550
Tremont place	Tremont st.	Southeasterly	Private.	about 10	.....	75
Tremont	Webster ave.	Cambridge line	Public.	40	589	.....
Trull	Vernon st.	Medford st.	Public.	40	1,050	.....
Trull lane	Highland ave.	Oxford st.	Private.	15	.....	200
Tube Works ct.	Somerville ave.	Southwesterly	Private.	20	.....	150
Tufts	Washington st.	Cross st.	Public.	40	940	.....
Tyler	Vine st.	Dane st.	Public.	40	404	.....
Union	Broadway	Mystic ave.	Public.	40	330	.....
Union place	Linwood st.	Southwesterly	Private.	10	.....	100
Veazie	Walnut st.	Bradley st.	Private.	40	.....	650
Vernon	Central st.	Jenny Lind ave.	Public.	40	740	.....
Vernon	Jenny Lind ave.	Lowell st.	Private.	30	.....	600
Victoria	Broadway	Cambridge line	Private.	40	.....	1,036
Villa ave.	Winslow ave.	Arlington B. R. R.	Private.	35	.....	200
Village	Dane st.	Vine st.	Private.	25	.....	370
Vinal ave.	Summer st.	Highland ave.	Public.	45	1,400	.....
Vinal	Richardson st.	Northeasterly	Private.	20	.....	200
Vine ct.	Vine st.	Northwesterly	Private.	25	.....	140
Vine	Somerville ave.	Hanson st.	Private.	40	.....	780
Vine	Hanson st.	Beacon st.	Private.	25	.....	650
Virginia	Aldrich st.	Jasper st.	Public.	40	405	.....
Wade ct.	Cedar st.	Westerly	Private.	20	.....	180
Waldo	Highland ave.	Hudson st.	Public.	40	287	.....
Wallace	Holland st.	Broadway	Public.	40	1,350	.....
Walnut	Bow st.	Broadway	Public.	40	3,830	.....
Walter place	Walter st.	Southwesterly	Private.	40	.....	222
Walter	Walnut st.	Bradley st.	Private.	40	.....	548

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.—*Continued.*

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Ward	Medford st.	Earl st.	Private.	30	.....	610
Warren ave.	Union sq.	Columbus ave.	Public.	40	650	.....
Warren	Medford st.	Cambridge line	Private.	30	.....	100
Warwick ave.	Warwick st.	Northeasterly	Private.	15	.....	150
Warwick	Cedar st.	Warwick ave.	Public.	40	655	.....
Washington ave.	Washington st.	Northerly	Private.	18	.....	350
Washington	Charlestown line	Franklin ave.	Public.	75	1,060	.....
Washington	Franklin ave.	Fitchburg R. R.	Public.	60 to 100	3,870	.....
Washington	Fitchburg R. R.	Cambridge line	Public.	60	2,380	.....
Water	South st.	Northerly	Private.	25	.....	250
Waterhouse	Broadway	Cambridge line	Private.	40	.....	986
Waverly	Washington st.	Southerly	Private.	35	.....	200
Ware	Curtis st.	Northwesterly	Private.	40	.....	700
Webster ave.	Union sq.	Cambridge line	Public.	49.5	1,950	.....
Webster	Franklin st.	Cross st.	Public.	40	1,000	.....
Wellington ave.	Walnut st.	Montgomery ave.	Public.	40	215	.....
Wellington ave.	Montgomery ave.	Easterly	Private.	40	.....	85
Wesley pk.	Wesley sq.	Northeasterly	Public.	40	405	.....
Wesley	Pearl st.	Northeast to angle	Private.	40	.....	350
Wesley	Angle	Otis st.	Private.	30	.....	165
West	Broadway	Heath st.	Private.	30	.....	250
West	Hawthorne st.	Arlington B. R. R.	Private.	30	.....	590
Westminster	Broadway	Electric ave.	Private.	40	.....	376
Weston ave.	Clarendon ave.	Broadway	Private.	40	.....	525
Westwood road	Central st.	Benton ave.	Public.	40	487	.....
Wheatland	Broadway	Jaques st.	Public.	40	495	.....
Wheatland	Jaques st.	Mystic ave.	Private.	40	.....	855
Wheeler	Pinckney st.	Mt. Vernon st.	Private.	40	.....	269
Whipple	Hawthorne st.	Arlington B. R. R.	Private.	30	.....	575
White	Elm st.	Cambridge line	Private.	20	.....	300
White St. place	White st.	Southeasterly	Private.	20	.....	200
Wigglesworth	Bonair st.	Pearl st.	Private.	40	.....	740
William	Chandler st.	Elm st.	Public.	40	381	.....
Williams ct.	Porter st.	Northwesterly	Private.	30	.....	150
Willoughby	Central st.	Sycamore st.	Private.	30	.....	400
Willow ave.	Elm st.	Broadway	Public.	50	3,440	.....
Willow place	Cambridge line	South st.	Private.	25	.....	150
*Willowdale	Willow ave.	Easterly	Private.	40	.....	550
Wilson ave.	Broadway	B. & L. R. R.	Private.	20	.....	310
Wilton	Lowell st.	Lawrence st.	Private.	35	.....	470
Windom	Elm st.	Summer st.	Public.	40	300	.....
Winslow ave.	Elm st.	Grove st.	Public.	40	514	.....
Winslow ave.	Grove st.	Clifton st.	Private.	40	.....	572
Winter	Elm st.	Holland st.	Private.	30	.....	430
Winter Hill cir.	Broadway	Northeasterly	Private.	25	.....	177
Winthrop ave.	Broadway	Mystic ave.	Public.	50	1,170	.....
Woodbine	Centre st.	Lowell st.	Private.	30	.....	600
*Woods ave.	North st.	Alewife Brook	Private.	40	.....	1,350
Woodstock	Victoria st.	Alewife Brook	Private.	40	.....	415
Wyatt ct.	South Wyatt st.	Westerly	Private.	13	.....	200
Wyatt (South)	Concord ave.	Northerly	Private.	40	.....	400
Wyatt (North)	Washington st.	Southerly	Private.	40	.....	350
Yorktown	100 ft. north of Malvern ave.	Cambridge line	Private.	40	.....	395

* Proposed.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.—*Concluded.*

UNNAMED STREETS.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Court	Craigie st.	Westerly	Private.	25	.....	126
Court	Craigie st.	Westerly	Private.	25	.....	126
Court	Craigie st.	Westerly	Private.	25	.....	126
Court	Dane st.	Easterly	Private.	10	.....	70
Court	Lowell st.	Westerly	Private.	25	.....	101
Court	Lowell st.	Westerly	Private.	25	.....	101
Court	Elmwood st.	Easterly	Private.	20	190
Total	278,160	179,310

Public, 52.7 miles; Private, 33.9 miles.

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REPORT

OF THE

COMMITTEE ON FIRE DEPARTMENT.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, February 12, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, February 13, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports, in
concurrence.

CHAS. S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

IN COMMITTEE ON FIRE DEPARTMENT, }
January 1, 1896. }

TO THE CITY COUNCIL OF SOMERVILLE:—

The Committee on Fire Department presents the following report for the year ending December 31, 1895:—

By an order, adopted by the City Council and approved by the Mayor, March 29, 1895, plans prepared by Mr. Thomas M. Sargent, architect, were adopted for the construction of a fire station, on the lot of land on Broadway, corner of Franklin street extension, purchased by the city in the previous year. Your committee, however, after careful consideration of the location and grade of the said lot, decided that it was not suitable for the use for which the city intended it, and so reported to the City Council, and by its authority an exchange was made for the lot situated at the corner of Broadway and Cross street.

Proposals were immediately solicited for the erection thereon of a fire station in accordance with the plans of Mr. Sargent, and by an order dated July 10, the contract for construction was awarded to Lord Brothers for the sum of \$15,745.00. The contract for heating and ventilating apparatus was awarded to Charles W. Christian & Co., for the sum of \$935.00.

Only general repairs and improvements have been made on the several fire stations during the year, but some attention must be given this coming year to the condition of the steamer house, corner of Highland avenue and Grove street, upon which extensive repairs will be necessary, and your committee would recommend that this matter be given the earliest consideration.

In the report of the Chief Engineer of the Fire Department submitted herewith, may be found a complete statement of the manual

force of the department, apparatus in service, etc., together with tables and statements of the services rendered by the department during the year.

A detailed statement of appropriations, receipts and expenditures for the year is given in the following statement of accounts : —

FIRE DEPARTMENT ACCOUNT.

CREDIT.			
Appropriation			\$47,000.00
Receipts :—			
For manure sold			48.00
Copper, zinc, etc.			87.02
			<hr/>
Total credit			\$47,135.02
DEBIT.			
Expenditures :—			
For salaries of permanent men	\$21,280.06		
Salaries of call men	9,238.00		
Substitute drivers	2,397.21		
Improvements and repairs of ap- paratus and vehicles	1,064.42		
New vehicles and apparatus	335.00		
New horses	425.00		
Improvements and repairs of buildings and furniture, and new furniture	1,542.85		
Fire alarm telegraph	3,844.52		
Hose and repairing hose	688.95		
Fire extinguishers	69.00		
Grain and feed	1,068.94		
Hay and straw	1,844.42		
Harnesses and repairing same	246.91		
Horseshoeing	666.67		
Horse medicine and doctoring	146.25		
			<hr/>
<i>Amounts carried forward</i>	\$44,858.20		\$47,135.02

<i>Amounts brought forward</i>	\$44,858.20	\$47,135.02
Washing and ironing	290.30	
Electric lighting	57.56	
Gas	877.63	
Fuel	906.82	
Water	3,425.40	
Ice	61.20	
Insurance	171.75	
Telephone, rental and tolls	195.09	
Supplies	288.03	
Incidentals	458.13	
	<hr/>	
Total debit		\$51,590.11
		<hr/>
Amount overdrawn		\$4,455.09
		<hr/> <hr/>

FIRE DEPARTMENT.—CENTRAL FIRE STATION ACCOUNT.

CREDIT.

Balance unexpended December 31, 1894	\$3,713.57
Appropriated in 1895	5,700.00
	<hr/>
Total credit	\$9,413.57

DEBIT.

Expenditures : —

George M. Starbird, balance on account contract	\$4,875.00	
George M. Starbird, extra work	1,722.04	
Aaron H. Gould, balance on account architect's services	476.73	
Smith & Anthony Co., heating and ventilating apparatus	1,147.82	
For electric wiring	361.01	
Labor on bell deck	68.13	
Extra gas-fitting	10.89	
Door-springs, fittings, etc.	407.25	
	<hr/>	
Total debit		\$8,068.87
		<hr/>
Balance unexpended		\$344.70
		<hr/> <hr/>

FIRE DEPARTMENT.—CENTRAL FIRE STATION, ELECTRICAL APPARATUS AND FURNITURE, ACCOUNT.

CREDIT.

Balance unexpended December 31, 1894 . . .	\$3,143.68
--	------------

DEBIT.

Expenditures :—

For fire-alarm apparatus . . .	\$2,149.95
Gas fixtures	185.58
Furniture, fittings, etc. . . .	806.74

Total debit	\$3,142.27
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Balance unexpended	\$1.41
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FIRE DEPARTMENT.—HOOK AND LADDER STATION, HIGHLAND AVENUE, ACCOUNT.

CREDIT.

Balance unexpended December 31, 1894 . . .	\$ 767.52
Appropriated in 1895	1,100.00

Total credit	\$1,867.52
------------------------	------------

DEBIT.

George M. Starbird, balance on account contract	\$1,741.96
George M. Starbird, extra work	60.27

Total debit	\$1,802.23
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Balance unexpended	\$65.29
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For the Committee,

ISAIAH H. WILEY, *Chairman.*
WILLIAM P. MITCHELL, *Clerk.*

O

REPORT

OF THE

CHIEF ENGINEER OF THE FIRE
DEPARTMENT.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, February 12, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, February 13, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports, in
concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF CHIEF ENGINEER, FIRE DEPARTMENT, }
January 1, 1896. }

TO THE COMMITTEE ON FIRE DEPARTMENT:—

Gentlemen,—I respectfully submit to you my report of the service of this department for the year ending December 31, 1895, its condition and needs at the present time, and recommendations for the maintenance of its efficiency and a slight extension of its resources.

There were during the year one hundred and eighty-eight alarms, of which one hundred and thirty-four were bell alarms and fifty-four were still, the latter requiring the service of only a small portion of the department. This was an increase of fifty-seven over the alarms of 1894. The total loss by fire was \$44,240.13, about \$235 an alarm. The insurance involved in the fires occasioning this loss was \$280,055 and the valuation of the property at risk \$500,355.

MANUAL FORCE.

The membership of the department consists of ninety-two men, of whom twenty-two are permanent and seventy call, distributed as follows:—

One Chief Engineer (permanent).

One Assistant Engineer (call).

COMPANIES.				PERMANENT MEN.				CALL MEN.			
Engine Company No. 1	5	.	.	.	.	7	
Engine " 4	5	.	.	.	.	8	
Ladder " 1	2	.	.	.	.	10	
Ladder " 2	2	.	.	.	.	12	
Hose " 1	1	.	.	.	.	8	
Hose " 2	1	.	.	.	.	9	
Hose " 3	1	.	.	.	.	7	
Hose " 5	1	.	.	.	.	8	
Chemical " A	3	.	.	.	.	0	

ROSTER OF THE DEPARTMENT.

Chief Engineer	James R. Hopkins
Assistant Engineer	Nathaniel C. Barker

ENGINE CO. NO. 1.

NAME.	AGE.	POSITION.
Edward W. Ring	48	Captain
Frank Langer	41	Lieutenant
Henry A. Byrns	56	Engineman
William A. Burbank	59	Asst. Engineman
George F. Harris	37	Driver
Horace W. Hutchins	30	"
Sewell M. Rich	32	Hoseman
Fred S. Young	29	"
Walter H. Young	26	"
Wilfred Young	23	"
Benjamin F. Johnson	31	"
Oscar J. Lingley	37	"

ENGINE CO. NO. 4.

NAME.	AGE.	POSITION.
Samuel H. Stevens	53	Captain
Danforth S. Steele	46	Lieutenant
Lindorf D. Bixby	54	Engineman
John Gillooly	39	Asst. Engineman
Charles H. Stearns	41	Driver
Arthur M. Gilman	29	"
Eugene H. Jones	30	Hoseman
John F. Burton	39	"
James I. King	29	"
Ephraim P. Cook	53	"
Joseph A. Sander	28	"
George C. Creighton	29	"
D. Wallis Tucker	47	"

LADDER CO. NO. 1.

NAME.	AGE.	POSITION.
Melvin B. Ricker . . .	54 . . .	Captain
Horace P. Ewell . . .	38 . . .	Lieutenant
Richard F. Clarkson . . .	36 . . .	Driver
William A. McLean . . .	36 . . .	Ladderman
Patrick J. Fallon . . .	35 . . .	"
James M. Gould . . .	51 . . .	"
James D. Perkins, Jr. . .	34 . . .	"
Martin S. Leary . . .	32 . . .	"
James E. Thompson . . .	26 . . .	"
George A. Page . . .	42 . . .	"
Luther F. Bickers . . .	22 . . .	"
Henry J. Turner . . .	30 . . .	"

LADDER CO. NO. 2.

NAME.	AGE.	POSITION.
Irving C. Jackson . . .	48 . . .	Captain
Charles E. Shaw . . .	42 . . .	Lieutenant
William H. Whitcomb . . .	40 . . .	Driver
John B. Ruffer . . .	31 . . .	Ladderman
George F. Hughes . . .	43 . . .	"
Harry F. Bucknam . . .	23 . . .	"
Harry W. Elwell . . .	27 . . .	"
James McNee . . .	38 . . .	"
Harry W. Whitcher . . .	31 . . .	"
Oscar P. Sheltus . . .	29 . . .	"
Clarence Alley . . .	26 . . .	"
Frank W. Merrill . . .	28 . . .	"
Frank S. Sargent . . .	25 . . .	"
John E. Hill . . .	50 . . .	"

HOSE CO. NO. 1.

NAME.	AGE.	POSITION.
Thomas H. Daley . . .	50 . . .	Captain
John Frizzell . . .	39 . . .	Lieutenant
William J. Logan . . .	55 . . .	Hoseman
Robert Yeaton . . .	34 . . .	"
George E. Varnum . . .	35 . . .	"
Lewis E. Seymour . . .	22 . . .	"
Frederick G. French . . .	28 . . .	"
Joseph Lord . . .	32 . . .	"
Arthur C. Sellon . . .	32 . . .	"

HOSE CO. NO. 2.

NAME.	AGE.	POSITION.
Frank W. Ring	37	Captain
Daniel R. Spike	52	Lieutenant
Henry A. Angier	57	Driver
Charles H. Timson	35	Hoseman
Edwin R. Perham	45	"
William F. Marble	44	"
Charles A. Woodbury	45	"
Almon Irish	28	"
Harry V. Spike	23	"
Melville G. Webber	24	"

HOSE CO. NO. 3.

NAME.	AGE.	POSITION.
Alfred R. Higgins	48	Act'g Captain
Joseph A. Cribby	31	Act'g Driver
Frank L. Draper	43	Hoseman
Charles H. Bridges	48	"
Frank S. Brown	49	"
James F. Henderson	43	"
Thomas W. Joy	38	"
John H. Cuddy	42	"

HOSE CO. NO. 5.

NAME.	AGE.	POSITION.
Edwin F. Trefren	38	Captain and Driver
William J. Blaisdell	48	Lieutenant
Charles H. Hilt	47	Hoseman
James H. Banks	46	"
Frederick G. Jones	30	"
Daniel W. McDermott	49	"
Martin Driscoll	29	"
Thomas Lingley	35	"
Charles B. Hill	23	"

CHEMICAL CO. A.

NAME.	AGE.	POSITION.
Clarence V. Cook	37	Captain
Benjamin W. Daley	26	Lieutenant
Benjamin H. Pond	28	Driver

The department has in active service two steam fire engines, two ladder trucks, five hose wagons, one combination hose wagon and chemical with two thirty-gallon tanks, and one chemical engine carrying two fifty-gallon tanks. During the year that has closed the last-named piece of apparatus has made a good record. There are in reserve one steam fire engine, one hose carriage and one ladder truck, all in serviceable condition.

BUILDINGS.

The buildings occupied by the department are all in good condition, with the exception of the house of Engine Co. 4, which ought to be thoroughly repaired throughout and its stable room enlarged. The new fire station in Ward 1, at the corner of Broadway and Cross street, will be completed in the early spring, and in appearance, as well as in utility, it will be a fine addition to the department and a credit to the city. It is designed to accommodate an engine, a hose wagon and a ladder truck. The stalls are sufficient for three horse hitches on the engine and ladder truck, there being eight besides a box stall. The second floor contains a recreation room. There are seven bedrooms, and another large room fitted up with lockers for the use of the men. There is also a drying room, well equipped with steam pipes, where the wet clothes of the men and wet blankets of the horses can be speedily put in comfortable condition after fires or runs in cold or stormy weather. The ground space covered is 8,050 feet. The hose and bell tower is modelled after that surmounting the headquarters of the Boston Fire Department. When this building is occupied by the proper apparatus and companies to man it, the section which it is intended to cover will have ample protection for years to come.

In Ward 4 the fire protection is not sufficient for the increased hazard of that section. Its growth has been rapid, and additions to its means of fire defence are called for. I therefore recommend that land be purchased for a fire station on Clarendon Hill, and that a suitable building be erected as soon as the City Council can see its way clear to provide the necessary funds.

INVESTIGATION OF FIRES.

Chapter 444 of the Acts of 1894 requires the chief engineer to make an investigation of every fire occurring within the city by which property is destroyed or injured. This investigation must begin within two days after the fire, and a full report of the result of such investigation must be made to the State fire marshal within one week after the occurrence of a fire. The marshal may supervise and direct such investigation whenever he may deem it necessary. The result of a faithful observance of this law has been to show that many of our fires have had a criminal origin, and there have been fifteen convictions of incendiarism during the year, while the number of fires due to that cause has been twenty-eight. As the crime of incendiarism is one of the most difficult in the whole catalogue of offences to bring to conviction, the record shows the value of the law and is evidence that the fire marshal and his aids have been zealous and alert in the performance of their duty, and deserve the encouragement and support of all our citizens.

HYDRANTS.

Certain sections are outgrowing their hydrant service. I have had occasion to approve the work of the Water Board in bringing the hydrants nearer together, but additions seem to be necessary in certain locations. For sufficient service I would therefore recommend the establishment of new hydrants at the following places:—

- Albion street, opposite No. 125.
- Ashland street, between Summer street and Sartwell avenue.
- Central street, corner Highland avenue.
- Cherry street, opposite Fairlee street.
- Cherry street, opposite No. 10.
- Cherry street, opposite No. 26.
- Highland avenue, corner Benton avenue.
- Highland avenue, corner Waldo street.
- Highland avenue, opposite Home for Aged Poor.
- Hudson street, corner Benton avenue.
- Hudson street, corner Lowell street.
- Hudson street, corner Waldo street.

Hudson street, opposite No. 163.
Hudson street, 400 feet west of Lowell street.
Porter street, opposite No. 44.
Porter street, opposite Parker place.
Trull street, corner Medford street.
Trull street, opposite No. 50.

With the foregoing additions the service would be greatly improved.

FIRE ALARM TELEGRAPH.

The efficiency of the fire alarm system has been materially increased during the year by making six circuits instead of three, thus reducing to a point of greater safety the work that each is obliged to perform. The fire alarm apparatus is so arranged that eight circuits can be operated if necessary. The needs of this branch of the service are also made conspicuous by the growth of the city, and more fire alarm boxes are required. I would recommend the location of sixteen new boxes as follows:—

Corner of Beacon and Washington streets.

- “ “ Broadway and Cedar street.
- “ “ Broadway and Franklin street.
- “ “ Broadway and North street.
- “ “ Central and Summer streets.
- “ “ Concord avenue and Beacon street.
- “ “ Dane and Skehan streets.
- “ “ Elm street and Willow avenue.
- “ “ Highland avenue and School street.
- “ “ Linwood and Poplar streets.
- “ “ Meacham and Moreland streets.
- “ “ Morrison and Clifton streets.
- “ “ Pearl and Mt. Vernon streets.
- “ “ Temple and Derby streets.
- “ “ Thurston street and Evergreen avenue.
- “ “ Walnut and Aldersey streets.

Box 29 should be changed from the corner of Washington and Dane streets to the corner of Washington and Wyatt streets.

A GENERAL VIEW.

It is sometimes wise to take an inventory and see our situation as it really is. The City of Somerville nominally contains about 1,900 acres. Eliminating the marsh land there are left about 1,500 acres upon which, in round numbers, 53,000 people dwell and do business. They occupy 9,476 dwellings which, with the manufacturing and business establishments, have a valuation, exclusive of land, of almost \$25,000,000. This is exclusive of thirty churches, and other untaxed real estate of various kinds. Nearly all these dwellings are constructed of wood with shingled roofs. The construction of so many buildings with highly combustible roofs, supplies the conditions for an extensive conflagration if wind and weather are right. In conflagrations, the exteriors of buildings near or remote are liable to be fired from the big fire, and the roof is the combustible point. In the Roxbury blaze of May, 1894, thirty working fires were set by that conflagration, most of them on roofs, and some as much as a mile away. Our possibilities in this respect, emphasize the need of a very efficient ladder service. Our facilities for reaching roofs should be of the most improved pattern, and of sufficient abundance to meet any probable emergency. It is well to bring ourselves face to face with our exact situation and provide accordingly.

CAUSES OF FIRES.

Accidental dropping of lighted match	3
Boiling over of kettle of tar	3
Boiling over of pan of fat	2
Breaking of kerosene lamp	8
Burning of rubbish	6
Children playing with matches	4
Chimney fire	8
Curtain in contact with gas jet	3
Curtain in contact with lamp	2
Defective chimney flue	5
Drying kindling wood in stove	3
Electric street car	6
Electric wire	1
Explosion of kerosene lamp	3
Fire-crackers	3

○ — REPORT OF THE CHIEF ENGINEER OF FIRE DEPARTMENT. 11

Fire rocket on roof	1
Fires in Cambridge	2
Fires in Medford	3
Grass fire	12
Hanging lamp igniting sheathing	1
Hot ashes in wooden barrel	8
Hot stove overturned	1
Igniting of cotton from tobacco pipe	1
Igniting of escaping gas	3
Igniting of naphtha from lamp	1
Igniting of rubbish from stove	1
Igniting of shavings from hot stove	2
Igniting of stove rag in closet	1
Igniting of varnish from lamp	1
Incendiary	28
Lighted cigar dropped on awning	2
Meat kettle on stove boiled dry	2
Overheated furnace	1
Overheated oil-stove	5
Overheated stove in freight car	1
Rats and matches	4
Roof boards in contact with furnace pipe	1
Slacking of lime	2
Smoke mistaken for fire	5
Smoking in bed	2
Spark in wood-box near stove	5
Spark from tobacco pipe	4
Sparks from burning rubbish	4
Sparks from chimney	3
Sparks from locomotive	5
Sparks from tinsmith's stove	2
Sparks on shingled roof	5
Spontaneous combustion	4
Thawing water pipe	4
Unknown	1

SERVICE OF THE SEVERAL COMPANIES.

	ENG. CO. No. 1.	ENG. CO. No. 4.	HOSE CO. No. 1.	HOSE CO. No. 2.	HOSE CO. No. 3.
Feet of hose used	11,650	8,000	11,750	16,300	18,400
“ ladders used	90	660	325	390	100
“ chemical hose used . . . .	. . . .	2,650	. . . .	. . . .	. . . .
No. of hand chemical extinguishers used . . . .	. . . .	. . . .	19	. . . .	11
No. of miles run	227	118	144	110	87

(CONTINUATION OF ABOVE.)

	HOSE CO. No. 5.	LADDER CO. No. 1.	LADDER CO. No. 2.	CHEMICAL A.
Feet of hose used	13,950	. . . .	. . . .	. . . .
“ ladders used	332	2,380	1,755	730
“ chemical hose used . . . .	. . . .	. . . .	. . . .	14,450
No. of miles run	210 $\frac{1}{4}$	133	100 $\frac{1}{4}$	303 $\frac{1}{4}$

I have to gratefully acknowledge the cordial co-operation and support of His Honor, the Mayor, and the Honorable Committee on Fire Department, in all matters looking to the advancement of the interests of this department.

Respectfully submitted,

JAMES R. HOPKINS,

Chief of Fire Department.

P

REPORT

OF THE

COMMITTEE ON FUEL AND STREET
LIGHTS.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 22, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, January 22, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports, in
concurrence.

CHARLES S. ROBERTSON, *Clerk*.

CITY OF SOMERVILLE.

IN COMMITTEE ON FUEL AND STREET LIGHTS, }
January 1, 1896. }

TO THE CITY COUNCIL OF SOMERVILLE:—

The following is the final report of the Committee on Fuel and Street Lights for the year ending December 31, 1895:—

SCHOOL FUEL ACCOUNT.

CREDIT.

Appropriation	\$9,000.00
Fuel used at English High School during construction	727.75
	<hr/>
Total credit	\$9,727.75

DEBIT.

Expenditures:—

For fuel at Beech Street School .	\$111.22	
Bell School	374.58	
Bennett School	84.46	
Bingham School	402.07	
Burns School	177.14	
Cedar Street School	37.82	
Cummings School	223.45	
Davis School	231.46	
Durell School	248.62	
Edgerly School	560.00	
	<hr/>	<hr/>
<i>Amounts carried forward</i>	\$2,450.82	\$9,727.75

<i>Amounts brought forward</i>	.	.	\$2,450.82	\$9,727.75
Forster School	.	.	410.00	
Franklin School	.	.	128.48	
Glines School	.	.	552.57	
Harvard School	.	.	28.38	
High School	.	.	1,993.72	
Highland School	.	.	664.53	
Jackson School	.	.	128.53	
Knapp School	.	.	909.85	
Lincoln School	.	.	243.39	
Morse School	.	.	665.54	
Pope School	.	.	816.75	
Prescott School	.	.	417.84	
Prospect Hill School	.	.	164.20	
Weighing Coal	.	.	31.88	
Incidentals	.	.	13.75	
Total debit	.	.		\$9,620.23
Balance unexpended	.	.		\$107.52

STREET LIGHTS ACCOUNT.

CREDIT.				
Appropriation	.	.	.	\$45,000.00
Receipts for old lamp posts	.	.	.	6.00
Total credit	.	.	.	\$45,006.00

DEBIT.				
Expenditures :—				
For electric lighting	.	.	\$46,420.28	
Lighting and care of oil lamps	.	.	23.10	
Changing location of electric lights	.	.	3.00	
Moving gas lamp posts	.	.	22.50	
Mounted map of light locations	.	.	9.39	
Total debit	.	.		\$46,478.27
Amount overdrawn	.	.		\$1,472.27

SCHOOL FUEL.

By an order, adopted June 26, 1895, this committee was authorized to contract with Horatio Wellington & Co., and B. F. Wild & Co., for furnishing fuel for the schoolhouses and public buildings of the city. The prices are given in the following table, and are much lower than those that were obtained the previous year.

COAL.			WOOD.	
FURNACE.	EGG.	STOVE.	HARD.	SOFT.
\$3.77	\$3.77	\$3.77	\$6.50	\$5.50

STREET LIGHTS.

The number of lights in the city January 1, 1895, was 559 ; 348 arc and 208 incandescent electric lights, and 3 oil lamps. During the year the three oil lamps, which were located on Boston avenue near the Medford line, have been discontinued, and in their place will be located two incandescent electric lights. Only one additional arc light has been located during the year, and that near the crossing of the B. & M. R. R., at Davis square, at a point which without this light has previously been most dangerous. The committee, although fully recognizing the needs of the city for more lights, especially in new streets, has been unable to recommend the location of any additional lights during the past year, inasmuch as the appropriation was inadequate for the cost of maintenance of the lights already located.

In the report of the Superintendent of Electric Lines and Lights will be found a complete statement of the lights in the city, locations of same, and such changes as have been made during the year.

The following table shows the number of lamps in the city January 1, 1896:—

	Oil Lamps.	Arc Electric Lamps.	Incandescent Electric Lamps.	TOTAL.
Lamps in the city January 1, 1895, as per last report	3	348	208	559
Erected during the year . . . . .	. . .	1	. . .	1
Discontinued during the year	3	. . .	. . .	3
Lamps now in service . . . . .	. . .	349	208	557

For the Committee,

L. B. CHANDLER, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*

Q

REPORT

OF THE

SUPERINTENDENT OF LIGHTS.

CITY OF SOMERILLE.

IN BOARD OF ALDERMEN, March 6, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, March 6, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk*.

CITY OF SOMERVILLE.

CITY HALL, January 1, 1896.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL:—

Gentlemen,—I have the honor to submit the third annual report of the Superintendent of Electric Lights, for the year 1895.

There were in the city on January 1, 1895, five hundred and fifty-nine street lamps. During the year one electric arc has been added, and three oil lamps situated on Boston avenue have been discontinued, making the number in the city December 31, 1895, three hundred and forty-nine electric arcs, and two hundred and eight incandescents. Three of the arc lights are located on the city parks, viz.: two on Broadway park and one on the park on Central Hill.

The arc and incandescent lights are to burn, by the terms of the contract made for five years, from October 1, 1892, three thousand, eight hundred and twenty-eight hours in each year. A schedule of the time of lighting and extinguishing is given to the Electric Light Company each month by me.

A fine of six cents per hour for arc, and one cent per hour for incandescent lights is imposed on the company for every light out during the time they should be in service.

The way of obtaining the outs is by the police patrolmen; the best way yet devised, as the police cover the whole city, and a report from them each morning comes as near being correct as any that can be obtained without great expense.

At the present time the Electric Light Company has but one man to patrol the entire city, his time of service expiring at midnight. I would again recommend that the company appoint an additional patrolman, and extend the time of patrol from midnight to the time of extinguishing the lights, thus ensuring a better lighting service to the city.

The recommendation of last year pertaining to the trimming of the dense foliage of the trees that obstruct the lights of the city, has been partially complied with, and I trust that this year the work will be continued so that the best results may be obtained from all our street lamps.

The arc light added this year was placed at the Holland street railroad crossing at West Somerville. The incandescent lamp formerly located on Claremon street, near Mead street, has been removed, and one has been placed on Edmands street.

Two lights have been taken from the tops of poles and placed on arms. A large number of lamps have been removed from old poles to new poles, and the weight arm substituted for the old style trolley arm. Better lighting results could be obtained if all street lights were thus placed, as the weight arm is so arranged that the lamp remains at the end of the arm at all times.

The electric arc lights in the streets are placed as follows:— Three upon iron extensions which belong to the city; one (in Union square) on an iron extension belonging to the West End Street Railway Co.; three suspended across the street; eighteen upon wooden poles, and three hundred and twenty-one upon arms.

ELECTRIC STREET LIGHTS.

The following table gives the locations of lights, their kinds, and how placed :—

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Adams street, between Broadway and Medford street	1	..	..
Adrian street, near Knapp School	1	..	..
Albion street, cor. Centre street	1	..	..
Albion street, near Cedar street	1	..	..
Albion street, near No. 104	1	..	..
Alpine street	1	..	..
Ames street, opp. Miner street	1	..	..
Appleton street, cor. Newberne street	1	..	..
Arlington street, cor. Hathorn street	1	..	..
Arthur street, between Broadway and Bonair street	1	..	..
Ashland street, cor. Sartwell avenue	1	..	..
Auburn avenue, in front of estate No. 21	1	..	..
Austin street, cor. Benedict street	1	..	..	..
Avon street, near School street	1	..	..
Bartlett street, opp. Robinson street	1	..	..
Beach street, at bend	1	..	..
Beach street, near Spring street	1	..	..
Beacon street, opp. Harris street	1	..	..
Beacon street, cor. Kent street	1	..	..
Beacon street, cor. Smith avenue	1	..	..
Beacon street, cor. Washington street	1	..	..
Beacon street, opp. Buckingham street	1	..	..
Beacon street, opp. Concord avenue	1	..	..
Beacon street, opp. Forest street	1	..	..
Beacon street, opp. Ivaloo street	1	..	..
Beacon street, opp. Park street	1	..	..
Beacon street, opp. Sacramento street	1	..	..
Belmont street, opp. Belmont place	1	..	..
Benton avenue, opp. Gibbens street	1	..	..
Berkeley street, cor. Hersey street	1	..	..
Bonair street, cor. Arthur street	1	..	..

ELECTRIC STREET LIGHTS.—*Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Bond street, at elbow	1	..	..
Boston street, cor. Greenville street .	..	1	..	..
Boston street, cor. Prospect Hill avenue	1	..	..	..
Bow street, cor. Bow Street place	1	..	..
Bow street, cor. Walnut street	1	..	..
Bow street, cor. Wesley park	1	..	..
Brastow avenue	1	..	..
Broadway, at Willow Bridge over B. & L. R. R.	1	..	..
Broadway, cor. Adams street	1	..	..
Broadway, cor. Benedict avenue	1	..	..
Broadway, cor. Cedar street	1	..	..
Broadway, cor. Dartmouth street	1	..	..
Broadway, cor. Elm street . .	1	..	..	..
Broadway, cor. Endicott avenue	1	..	..
Broadway, cor. Fenwick avenue	1	..	..
Broadway, cor. Main street . .	1	..	..	..
Broadway, cor. Marshall street	1	..	..
Broadway, cor. Medford street	1	..	..
Broadway, cor. Union street	1	..	..
Broadway, cor. Wallace street	1	..	..
Broadway, cor. Willow avenue	1	..	..
Broadway, front of estate No. 285	1	..	..
Broadway, opp. Cross street	1	..	..
Broadway, opp. Curtis street	1	..	..
Broadway, opp. Franklin street	1	..	..
Broadway, opp. Glen street	1	..	..
Broadway, opp. North street	1	..	..
Broadway, opp. Packard avenue	1	..	..
Broadway, opp. Partridge avenue	1	..	..
Broadway, opp. School street	1	..	..
Broadway Parkway	4	..	..	..
Cameron avenue, cor. Mead street	1	..	..
Carlton street, cor. Lake street	1	..	..
Cedar street, opp. Clyde street . .	1	..	..	..

ELECTRIC STREET LIGHTS.—*Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Central street, at Berkeley street .	..	1	..	..
Central street, between estates No. 192 and 194	1	..	..
Central street, cor. Monmouth street	1	..	..
Central street, cor. Vernon street	1	..	..
Central street, opp. Albion street	1	..	..
Central street, opp. Forster street	1	..	..
Chandler street, cor. Chapel street	1	..	..
Chandler street, near William street	1	..	..
Chauncy avenue	1	..	..
Cherry Street, opp Sartwell avenue	1	..	..
Chestnut street	1	..	..
Church street	1	..	..
Claremon street	1	..	..
Clarendon avenue	1	..	..
Columbia street	1	..	..
Columbus avenue, cor. Bonner avenue	1	..	..
Columbus avenue, cor. Warren avenue	1	..	..
Concord avenue, at Leon street	1	..	..	..
Concord avenue, at Springfield street	1	..	..
Concord square, opp. Knapp School	1	..	..
Cottage avenue, in front of estate No. 21	1	..	..
Craigie street	1	..	..
Crescent street, cor. Pearl street	1	..	..
Crocker street, at Hospital	1	..	..	..
Cross street, at Lowell Railroad Bridge	1	..	..	..
Cross street, cor. Oliver street	1	..	..
Cross street, cor. Otis street	1	..	..
Cross street, cor. Pearl street	1	..	..
Cross street, opp. estate No. 62	1	..	..
Curtis street, cor. Professors' row	1	..	..
Curtis street, opp. Fairmount avenue	1	..	..
Cutter street, near Sibley court	1	..	..
Cypress street, between Central and Beech streets	1	..	..

ELECTRIC STREET LIGHTS.—*Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Dana street, cor. Otis street	1	..	..
Dane street, opp. Dane avenue	1	..	..
Davis square	1
Day street, cor. Orchard street	1	..	..
Day street, opp. Herbert street	1	..	..
Delaware street, at elbow	1	..	..
Dimick street, cor. Buckingham street	1	..	..
Dover street, at Glover circle	1	..	..
Elm street, at White street	1	..	..
Elm street, cor. Cedar street	1	..	..
Elm street, cor. Elston street	1	..	..
Elm street, cor. Kenwood street	1	..	..
Elm street, cor. Russell street	1	..	..
Elm street, cor. William street	1	..	..
Elm street, cor. Willow avenue	1	..	..
Elm street, opp. Chester street	1	..	..
Elm street, opp. Davenport street	1	..	..
Elm street, opp. Morrison street	1	..	..
Elm street, opp. Porter street	1	..	..
Elm street, opp. Winter street	1	..	..
Elmwood street, in front of estate No. 22	1	..	..
Everett avenue, opp. estate No. 23	1	..	..
Evergreen avenue, at Dartmouth street	1	..	..
Evergreen avenue, at Marshall street	1	..	..
Evergreen avenue, at School street	1	..	..
Evergreen avenue, at Thurston street	1	..	..	..
Fanning avenue, cor. Lexington avenue	1	..	..
Flint street, opp. Flint place	1	..	..
Flint street, opp. Rush street	1	..	..
Florence street, between estates No. 33 and 35	1	..	..
Fountain avenue, opp. estate No. 12	1	..	..
Francesca avenue, between Elm street and Liberty avenue	1	..	..

ELECTRIC STREET LIGHTS.—*Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Franklin street, cor. Perkins street .	..	1	..	..
Franklin street, opp. Flint street .	..	1	..	..
Fremont street, between estates No. 11 and 17	1	..	..
Frost avenue, at bend	1	..	..
Gilman square	1
Gilman street, cor. Aldrich street .	..	1	..	..
Gilman street, opp. Jasper street .	..	1	..	..
Glen street, cor. Flint street	1	..	..
Glen street, opp. Brook street	1	..	..
Gorham street, cor. Howard street .	..	1	..	..
Grand View avenue	1	..	..
Grant street, corner Sewall street .	..	1	..	..
Greene street, at bend	1	..	..
Hall avenue, between Elm street and Liberty avenue	1	..	..
Hancock street	1	..	..
Harrison street, junction Mondamin court	1	..	..
Harvard street, cor. Monmouth street .	..	1	..	..
Heath street, cor. Bond street	1	..	..
Heath street, opp. estate No. 44	1	..	..
High street, opp. Prospect Hill avenue	1	..	..
Highland avenue, at Central street	1	..
Highland avenue, cor. Belmont street .	..	1	..	..
Highland avenue, cor. Cedar street .	..	1	..	..
Highland avenue, cor. Cherry street .	..	1	..	..
Highland avenue, cor. Grove street .	..	1	..	..
Highland avenue, cor. Medford street .	..	1	..	..
Highland avenue, cor. Porter street .	..	1	..	..
Highland avenue, cor. School street .	..	1	..	..
Highland avenue, cor. Walnut street .	..	1	..	..
Highland avenue, cor. West street .	..	1	..	..
Highland avenue, cor. Willow avenue .	..	1	..	..
Highland avenue, opp. Prescott street .	..	1	..	..

ELECTRIC STREET LIGHTS.—*Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Highland avenue, opp. Trull Lane .	..	1	..	..
Holland street, at railroad crossing	..	1	..	..
Holland street, cor. Cameron avenue	..	1	..	..
Holland street, opp. Gorham street	..	1	..	..
Holland street, opp. Wallace street	..	1	..	..
Hudson street, at bend	1	..	..
Hudson street, near Benton avenue	..	1	..	..
Hudson street, cor. Lowell street .	..	1	..	..
Irving street, near Holland street .	..	1	..	..
Jaques street, cor. Temple street .	..	1	..	..
Jay street, between Holland street and Howard street	1	..	..
Jenny Lind avenue, between Medford and Vernon streets	1	..	..
Joy street, cor. Leonard place	1	..	..
Kidder avenue, cor. Liberty avenue	..	1	..	..
Kingston street, opp. Campbell Park	..	1	..	..
Laurel street, near Greene street .	..	1	..	..
Lincoln street, at Lincoln avenue .	..	1	..	..
Linden avenue, cor. Linden place .	..	1	..	..
Linden avenue, near Elm street .	..	1	..	..
Linwood street, between Poplar and Washington streets	1	..	..
Linwood street, cor. Poplar street .	1	..	..	..
Lowell street, between Summer street and Somerville avenue	1	..	..
Lowell street, cor. Fiske avenue .	..	1	..	..
Lowell street, opp. Wilton street .	..	1	..	..
Madison street	1	..	..
Main street, cor. Moreland street .	..	1	..	..
Maple street	1	..	..
Marion street, cor. Cook street .	1	..	..	..
Marshall street, cor. Stickney avenue	..	1	..	..
Marshall street, opp. Howe street .	..	1	..	..
Meacham street, opp. Kingston street	..	1	..	..
Medford street, at Central square .	..	1	..	..

ELECTRIC STREET LIGHTS. — *Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Medford street, cor. Central street .	..	1	..	..
Medford street, cor. Essex street .	..	1	..	..
Medford street, cor. Greenville street	..	1	..	..
Medford street, cor. Jenny Lind avenue	1	..
Medford street, cor. Norwood avenue	..	1	..	..
Medford street, cor. School street .	..	1	..	..
Medford street, cor. Somerville avenue	1	..	..
Medford street, cor. South street .	..	1	..	..
Medford street, cor. Sycamore street	..	1	..	..
Medford street, cor. Thurston street	..	1	..	..
Medford street, cor. Walnut street .	..	1	..	..
Medford street, cor. Ward street .	..	1	..	..
Medford street, opp. Jackson street	..	1	..	..
Miller street	1	..	..
Montrose street	1	..	..
Moore street, cor. Mead street .	..	1	..	..
Morgan street, at bend	1	..	..
Morrison avenue, opp. Rogers avenue	..	1	..	..
Morrison street, opp. Clifton street	..	1	..	..
Morrison street, opp. Grove street .	..	1	..	..
Mt. Pleasant street, in front of estate No. 117	1	..	..
Mt. Vernon street, at Lincoln avenue	..	1	..	..
Myrtle street, at top of hill	1	..	..
Myrtle street, near Washington street	..	1	..	..
Mystic avenue, near Medford line .	..	1	..	..
Mystic avenue, cor. Middlesex avenue	1	..	..
Mystic avenue, cor. North Union street	1	..	..
Mystic street (ward 1)	1	..	..
Newton street, opp. Joseph street .	..	1	..	..
Newbury street	1	..	..
Oak street, at bend	1	..	..

ELECTRIC STREET LIGHTS.—*Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Oakland avenue, cor. School street .	..	1	..	..
Oliver street, cor. Glen street .	..	1	..	..
Orchard street, cor. Chester street .	..	1	..	..
Orchard street, cor. Dover street .	..	1	..	..
Orchard street, cor. Russell street .	..	1	..	..
Park avenue, opp. Chandler street .	..	1	..	..
Park street, between Somerville avenue and Fitchburg railroad .	..	1	..	..
Parker street, cor. Fremont avenue .	..	1	..	..
Partridge avenue, between Medford and Vernon streets .	..	1	..	..
Pearl street, cor. Aldrich street .	..	1	..	..
Pearl street, cor. Bradley street .	..	1	..	..
Pearl street, cor. Florence street .	..	1	..	..
Pearl street, cor. Franklin street .	..	1	..	..
Pearl street, cor. Glen street	1	..
Pearl street, cor. Mt. Vernon street .	..	1	..	..
Pearl street, cor. Walnut street .	..	1	..	..
Perkins street, cor. Mt. Pleasant street .	..	1	..	..
Perkins street, opp. Pinckney street .	..	1	..	..
Pinckney street, between Pearl and Washington streets .	..	1	..	..
Prescott street .	..	1	..	..
Preston street, near School street .	..	1	..	..
Professors' row, at College avenue .	..	1	..	..
Professors' row, at Packard avenue .	..	1	..	..
Professors' row, opp. new street .	..	1	..	..
Prospect street, cor. Prospect place .	..	1	..	..
Prospect street, opp. Oak street .	..	1	..	..
Putnam street, midway between Highland avenue and Summer street .	..	1	..	..
Quincy street, midway Somerville avenue and Summer street .	..	1	..	..
Richardson street, opp. Henderson street .	1	..	..	..
Richdale avenue, opp. Lee street .	..	1	..	..

ELECTRIC STREET LIGHTS.—*Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Rossmore street, midway between Somerville avenue and Washing- ton street	1	..	..
Rush street, cor Brook street	1	..	..
Sargent avenue, cor. Sherman place	..	1	..	..
School street, opp. Berkeley street .	..	1	..	..
School street, opp. Montrose street .	..	1	..	..
Springfield street, opp. Houghton street	1	..	..
Somerville avenue, at Central street	..	1	..	..
Somerville avenue, at Craigie street	..	1	..	..
Somerville avenue, at Fitchburg rail- road bridge	1	..	..
Somerville avenue, at Fitchburg R. R. crossing	1	..	..
Somerville avenue, at Spring street	..	1	..	..
Somerville avenue, cor. Granite street	..	1	..	..
Somerville avenue, cor. Laurel street	..	1	..	..
Somerville avenue, cor. Mystic street	..	1	..	..
Somerville avenue, cor. Prospect street	1	..	..
Somerville avenue, cor. Sacramento street	1	..	..
Somerville avenue, cor. School street	..	1	..	..
Somerville avenue, cor. Washington street	1	..	..
Somerville avenue, in front of estate No. 117	1	..	..
Somerville avenue, near Bow street .	..	1	..	..
Somerville avenue, near oil works at Fitchburg railroad crossing	1	..	..
Somerville avenue, opp. Franklin court	1	..	..
Somerville avenue, opp. Hawkins street	1	..	..
Spring street, near estate No. 42 .	..	1	..	..

ELECTRIC STREET LIGHTS.—*Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
St. James avenue	1	..	..
Summer street, cor. Belmont street .	..	1	..	..
Summer street, cor. Benton avenue .	..	1	..	..
Summer street, cor. Cedar street .	..	1	..	..
Summer street, cor. Central street .	..	1	..	..
Summer street, cor. Cherry street .	..	1	..	..
Summer street, cor. Porter street .	..	1	..	..
Summer street, cor. Prescott street .	..	1	..	..
Summer street, cor. Putnam street .	..	1	..	..
Summer street, cor. School street .	..	1	..	..
Summer street, cor. Spring street .	..	1	..	..
Summer street, cor. Vinal avenue .	..	1	..	..
Summer street, cor. Willow avenue .	..	1	..	..
Summer street, opp. Preston street .	..	1	..	..
Summer street, opp. Windom street .	..	1	..	..
Summit street, cor. Billingham street	..	1	..	..
Sycamore street, in front of estate No. 141	1	..	..
Sycamore street, cor. Montrose street	..	1	..	..
Sycamore street, near Highland avenue	1	..	..
Temple street, cor. Sewall street .	..	1	..	..
Temple street, opp. Derby street .	..	1	..	..
Tennyson street, between Forster and Medford streets	1	..	..
Thorndike street	1	..	..
Tremont street	1	..	..
Tufts street, cor. Glen street	1	..	..
Union square	2
Vernon street, cor. Trull street .	1	..	..	..
Vinal avenue, opp. Aldersey street .	..	1	..	..
Vinal avenue, opp. Pleasant avenue .	..	1	..	..
Vine street, cor. Eliot street	1	..	..
Wallace street	1	..	..
Walnut street, cor. Aldersey street .	..	1	..	..
Walnut street, cor. Columbus avenue	..	1	..	..

ELECTRIC STREET LIGHTS.—*Continued.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Walnut street, opp. Mills street .	..	1	..	..
Walnut street, cor. Summit avenue .	..	1	..	..
Ware street	1	..	..
Warren avenue, cor. Sanborn avenue .	..	1	..	..
Washington street, at Fitchburg rail- road bridge	1	..	..	..
Washington street, at Medford street .	..	1	..	..
Washington street, cor. Bonner avenue .	..	1	..	..
Washington street, cor. Bowdoin street	1	..	..
Washington street, cor. Calvin street .	..	1	..	..
Washington street, cor. Florence street	1	..	..
Washington street, cor. Franklin street	1	..	..
Washington street, cor. Mt. Vernon street	1	..	..
Washington street, cor. Washington avenue	1	..	..
Washington street, junc. Tufts and Knowlton streets	1	..	..
Washington street, opp. Joy street .	..	1	..	..
Washington street, opp. Kingman court	1	..	..
Washington street, opp. Mystic street .	..	1	..	..
Webster avenue, junc. Newton street at Fitchburg railroad .	..	1	..	..
Webster avenue, opp. Everett street .	..	1	..	..
Webster avenue, opp. Norfolk street .	..	1	..	..
Webster avenue, opp. Prospect street .	..	1	..	..
Webster street, opp. Cutter street .	..	1	..	..
Webster street, opp. Rush street .	..	1	..	..
Wellington avenue, opp. Montgomery avenue	1	..	..
Wheatland street, cor. Jaques street .	..	1	..	..
Wigglesworth street, cor. Otis street .	..	1	..	..

ELECTRIC STREET LIGHTS.—*Concluded.*

ELECTRIC ARC LIGHTS.	On Poles.	On Arms.	Suspended.	On Iron Extensions.
Willow avenue, cor. Morrison avenue	..	1	..	..
Wilton street, cor. Lawrence street .	..	1	..	..
Winslow avenue, cor. Grove street .	..	1	..	..
Wyatt street	1	..	..
Total	18	321	3	4

LOCATIONS OF INCANDESCENT LIGHTS.

LOCATION.	LOCATION.
Allen st., at end.	Clyde st., corner Murdock st.
Allen st., near Somerville ave.	College ave. (2).
Arnold ct.	Columbia st., opposite Casey ct.
Autumn st., corner Louisburg pl.	Concord ave., between Concord
Belmont st., between Highland	sq. and Prospect st.
ave. and Summer st.	Cooney st., corner Line st.
Belmont st., corner Snow pl.	Craigie st., opposite No. 74.
Benedict st., between Nos. 3 and 5.	Crescent st., opposite No. 10.
Bleachery ct. (2).	Curtis st., between Weare st. and
Bolton st.	Raymond ave.
Bolton st., corner Oak st.	Dane ave. (2).
Bonair st., corner Cross st.	Dane st., at Fitchburg railroad.
Bonair st., corner Melvin st.	Dane st., corner Frost ave.
Bonair st., cor. Wigglesworth st.	Day st., opposite No. 38.
Bonair st., in front of No. 85.	Dell st.
Boston st., corner High st.	Dickinson st., opp. Hammond st.
Bow Street pl.	Edmands st.
Bowdoin st., at Fremont ave.	Ellsworth st., between Cross and
Bradford ave.	Rush sts.
Broadway, between Liberty and	Elm pl., near westerly end.
Willow aves.	Elm st., corner Chapel st.
Broadway, near Arlington line.	Emerson st.
Broadway pl.	Everett st., opposite Emerson st.
Cedar ave., corner Linden ave.	Fairmount ave.
Cedar st., at Lowell R. R. bridge.	Fitchburg st.
Cedar st., at railroad crossing.	Flint st.
Cedar st., corner Hall ave.	Florence st., between Perkins and
Cedar st., opposite No. 14.	Pearl sts.
Cedar st., opposite Sartwell ave.	Forster st., corner Tennyson st.
Central st., at Lowell R. R. bridge.	Franklin ave.
Central st., opposite Hudson st.	Franklin st., between Washington
Chapel ct.	st., and Hadley ct.
Chester ave., opposite No. 19.	Franklin st., corner Oliver st.
Chester pl.	Garden ct. (2).
Clark st.	George st.

LOCATIONS OF INCANDESCENT LIGHTS. — *Continued.*

LOCATION.	LOCATION.
Giles pl.	Lake st., corner South Church st.
Gilman st., between Aldrich and Cross sts.	Lake st., corner Olive sq.
Gilman st., corner Walnut st.	Laurel st., opposite No. 27.
Glen st., between Pearl and Flint sts.	Leon st., at Dickinson st.
Granite st., opposite Knapp st.	Lester terrace.
Hall st.	Line st., between Cambridge line and Smith ave.
Hamlet st. (2).	Line st., between Cooney st. and Smith ave.
Hanson st., corner Durham st.	Line st., corner Smith ave.
Hanson st., corner Skehan st.	Line st., near Washington st.
Harris st., near Beacon st.	Linden st. (2).
Hawkins st., corner Lake st.	Linwood st., near Washington st.
Heath st., opposite West st.	London st.
Hillside avenue.	Loring st., at end.
Hinckley st., opposite Fiske ave.	Loring st., corner Somerville ave.
Holt pl., corner Oak st.	Lowell st., corner Richardson st.
Homer sq.	Lowell st., corner Vernon st.
Houghton st., opposite Bolton st.	Madison st., near School st.
Howe st., corner School st.	Maple ave.
Irving st. (3)	Marshall st., corner Sherman ct.
Ivaloo st., at Harrison st.	Mason ave.
James st.	May pl.
Jaques st., between Grant and Temple sts.	McGregor pl.
Jaques st., between Temple and Bond sts.	Meacham st., opposite Orchard st.
Jerome st., at bend.	Medford st., at Fitchburg railroad.
Joseph st., corner Adrian st.	Medford st., at J. P. Squires' factory.
Joy st., opposite No. 68.	Medford st., corner Adams st.
Kent ct. (2).	Medford st., opp. N. E. Dressed Meat & Wool Co.'s works.
Kent st., at railroad.	Mills st., at Sargent ave.
Kingman ct.	Mills st., opposite No. 23.
Lake st., between Hawkins and Carlton sts.	Mossland st., between Elm and Somerville ave.

LOCATIONS OF INCANDESCENT LIGHTS.—*Continued.*

LOCATION.	LOCATION.
Munroe st., between Bigelow and Greenville sts.	Richdale ave.
Munroe st., between Boston st. and Prospect Hill ave.	School st., between Preston and Osgood sts.
Munroe st., between Walnut and Bigelow sts.	School st., opposite Landers st.
Murdock st. (2).	Sherman st.
Myrtle st., between Perkins and Pearl sts.	Skehan st., at end.
Mystic ave., corner Austin st.	Skehan st., corner Dane st.
Mystic ave., near Boston line.	Somerville ave., at Beach st.
Oakland ave., opposite No. 10.	Somerville ave., at Belmont st.
Otis st., opposite No. 25.	South st., corner Hunting st.
Oxford st., between Hersey and Central sts.	Summer st., between Harvard and Central sts.
Oxford st., between Trull lane and School st.	Summer st., corner Craigie st.
Oxford st., cor. Hersey st.	Stickney ave., opposite No. 8.
Park st., cor. Ivaloo st.	Stickney ave., opposite No. 24.
Pearl st., between Franklin st. and Hillside ave.	Stone ave., near Columbus ave.
Pearl st., corner Rush st.	Summit ave.
Pearl St. pl.	Sunnyside ave.
Pembroke st., near Sycamore st.	Sycamore st., corner Madison st.
Perkins pl.	Sycamore st., opposite Forster st.
Perkins st., corner Mt. Vernon st.	Tenney ct.
Perkins st., opposite Florence st.	Thorpe pl. (2).
Perkins st., opposite Myrtle st.	Tufts st., corner Dell pl.
Pitman st.	Tyler st., opposite Tower ct.
Pleasant ave.	Vernon st., cor. Jenny Lind ave.
Poplar st., opposite Chestnut st.	Vernon st., opposite Bartlett st.
Porter street, corner Williams ct.	Vernon st., opposite Miner st.
Prospect st., between Oak st. and Cambridge line.	Vine st., near Beacon st.
Putnam st., opposite No. 65.	Vine st., opposite Hanson st.
	Vine st., opposite Tyler st.
	Virginia st. (2).
	Waldo st.
	Walnut st., corner Veazie st.
	Walnut st., near Bow st.
	Walnut st., near Broadway.

LOCATIONS OF INCANDESCENT LIGHTS.— *Concluded.*

LOCATION.	LOCATION.
Ward st., at end.	Wesley park.
Warwick street (2).	Wesley park, opposite No. 11.
Washington st., corner Hanson st.	Wesley st., at end.
Washington st., corner Wyatt st.	Wesley st., near Pearl st.
Waverly st., at end.	Wilson ave.
Webster st., near Franklin st.	Wyatt st., corner Cook st.

Respectfully submitted,

LEIGHTON W. MANNING,

Superintendent of Electric Lines and Lights.

R

REPORT

OF THE

COMMITTEE ON PUBLIC PROPERTY.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 30, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, February 13, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports, in
concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

IN COMMITTEE ON PUBLIC PROPERTY, }
January 1, 1896. }

TO THE CITY COUNCIL OF SOMERVILLE:—

The Committee on Public Property presents the following report
for the year 1895:—

POLICE STATION INCIDENTALS ACCOUNT.

CREDIT.

Appropriation	\$3,000.00
Receipts for rent of armory	300.00
	<hr/>
Total credit	\$3,300.00

DEBIT.

Expenditures:—

For janitor's salary	\$850.00
Gas	767.73
Fuel	251.43
Water	89.50
Disinfectant	4.05
Supplies	23.90
Repairs and improvements of building and furniture	859.14
Incidentals	6.65
	<hr/>
Total debit	\$2,852.40
	<hr/>
Balance unexpended	\$447.60
	<hr/>

SCHOOLHOUSE INCIDENTALS ACCOUNT.

CREDIT.	
Appropriation	\$13,000.00
DEBIT.	
Expenditures : —	
For repairs and improvements of	
buildings	\$9,686.35
Furniture	360.45
Repairing furniture	663.53
Repairing heating and ventilat-	
ing apparatus	1,644.09
Repairing blackboards	121.49
Repairs concrete walks	12.00
Care of lawns	61.00
Building division fence	24.30
Moving furniture	114.65
Insurance	1,509.24
Heat, rent, etc. (Superintend-	
ent of Schools' office)	296.30
School supplies	764.34
Grading Webster School lot	24.00
Incidentals	49.51
	<hr/>
Total debit	\$15,331.25
	<hr/>
Amount overdrawn	<u>\$2,331.25</u>

The expenditures at the various schoolhouses were as follows : —

<i>Beech Street.</i>	
Repairs and improvements	\$82.39
Furniture	2.98
Repairing furniture	37.75
Moving furniture	2.50
Repairing heating apparatus	41.16
Supplies	2.20
	<hr/>
	\$168.98
	<hr/>
<i>Amount carried forward</i>	\$168.98

Amount brought forward \$168.98

Luther V. Bell.

Repairs and improvements . . .	\$416.85	
Furniture	11.50	
Repairing furniture	44.15	
Moving furniture	4.25	
Repairing heating apparatus . . .	54.14	
Supplies	9.24	
	<hr/>	\$540.13

Bennett.

Repairs and improvements . . .	\$641.78	
Repairing furniture	12.75	
Repairing heating apparatus . . .	41.19	
Moving furniture	3.00	
Supplies	11.37	
	<hr/>	\$710.09

Bingham.

Repairs and improvements . . .	\$24.50	
Furniture	7.50	
Repairing furniture	16.75	
Moving furniture . . . . .	.75	
Repairing heating apparatus . . .	4.90	
Supplies	2.40	
	<hr/>	\$56.80

Burns.

Repairs and improvements . . .	\$330.12	
Furniture	11.35	
Repairing furniture	8.75	
Moving furniture	1.90	
Repairing heating apparatus . . .	41.60	
	<hr/>	\$393.72

Cedar Street.

Repairs and improvements . . .	\$ 3.49	
Repairing furniture	18.25	
Moving furniture	1.50	
Repairing heating apparatus . . .	25.01	
	<hr/>	\$48.25

Amount carried forward \$1,917.97

Amount brought forward \$1,917.97

Cummings.

Repairs and improvements	\$323.05	
Furniture	18.50	
Repairing furniture	4.50	
Moving furniture	3.13	
Repairing blackboards	47.75	
Insurance	30.00	
	<hr/>	\$426.93

Davis.

Repairs and improvements	\$174.84	
Repairing furniture	8.50	
Repairing heating apparatus	16.42	
Insurance	30.00	
	<hr/>	\$229.76

Durell.

Repairs and improvements	\$75.93	
Furniture	34.17	
Repairing furniture	13.50	
Moving furniture	1.00	
Supplies	9.38	
Care of lawn	2.00	
	<hr/>	\$135.98

Edgerly.

Repairs and improvements	\$477.88	
Furniture	49.00	
Repairing furniture	36.15	
Moving furniture	3.00	
Repairing heating apparatus	112.13	
Repairing concrete walks	5.00	
Supplies	6.35	
	<hr/>	\$689.51

Amount carried forward \$3,400.15

Amount brought forward \$3,400.15

English High.

Repairs and improvements	\$ 89.48	
Furniture	19.65	
Moving furniture	5.25	
Supplies	24.32	
Insurance	650.00	
	<hr/>	\$788.70

Forster.

Repairs and improvements	\$155.72	
Furniture	5.10	
Repairing furniture	50.45	
Repairing heating apparatus	23.93	
Supplies . . . . .	.59	
Insurance	261.74	
	<hr/>	\$497.53

Franklin.

Repairs and improvements	\$655.78	
Furniture	29.25	
Repairing furniture	15.50	
Repairing heating apparatus	91.10	
Supplies	9.09	
	<hr/>	\$800.72

Glines.

Repairs and improvements	\$158.54	
Repairing furniture	9.50	
Moving furniture	3.35	
Repairing heating apparatus	324.86	
Repairing blackboards	2.50	
Care of lawn	21.00	
	<hr/>	\$519.75

Harvard.

Repairs and improvements	\$409.55	
Repairing furniture	2.50	
Repairing heating apparatus	4.50	
	<hr/>	\$416.55

Amount carried forward \$6,423.40

Amount brought forward \$6,423.40

High.

Repairs and improvements	\$2,930.95	
Furniture	47.10	
Repairing furniture	40.59	
Moving furniture	42.50	
Repairing heating apparatus	37.10	
Supplies	55.05	
	<hr/>	\$3,153.29

Highland.

Repairs and improvements	\$249.22	
Furniture	29.35	
Repairs furniture	121.25	
Moving furniture	1.50	
Repairing heating apparatus	201.25	
Supplies	2.88	
Repairs concrete walks	7.00	
	<hr/>	\$612.45

Jackson.

Repairs and improvements	\$19.54	
Repairing furniture	80.95	
Moving furniture	5.50	
Repairing heating apparatus	38.13	
Repairing blackboards	57.92	
Supplies	6.60	
	<hr/>	\$208.64

Knapp.

Repairs and improvements	\$1,233.41	
Furniture	33.05	
Repairing furniture	40.75	
Moving furniture	21.77	
Repairing heating apparatus	368.85	
Repairing blackboards	13.32	
Building division fence	24.30	
Insurance	157.50	
Supplies	14.61	
	<hr/>	\$1,907.56

Amount carried forward \$12,305.34

Amount brought forward \$12,305.34

Lincoln.

Repairs and improvements	\$123.21	
Furniture	10.20	
Repairing furniture	13.99	
Moving furniture	1.65	
Repairing heating apparatus	37.76	
Insurance	305.00	
Supplies	10.08	
	<hr/>	\$501.89

Morse.

Repairs and improvements	\$181.79	
Repairing furniture	30.75	
Repairing heating apparatus	43.86	
Supplies	14.20	
	<hr/>	\$270.60

Pope.

Repairs and improvements	\$56.70	
Furniture	47.50	
Repairing furniture	16.75	
Repairing heating apparatus	14.45	
Supplies	5.50	
Care of lawn	38.00	
	<hr/>	\$178.90

Prescott.

Repairs and improvements	\$819.77	
Furniture	4.25	
Repairing furniture	25.50	
Moving furniture	10.60	
Repairing heating apparatus	91.40	
Supplies	4.70	
Insurance	75.00	
	<hr/>	\$1,031.22

Amount carried forward \$14,287.95

Amount brought forward \$14,287.95

Prospect Hill.

Repairs and improvements	\$51.86	
Repairing furniture	14.00	
Moving furniture	1.50	
Repairing heating apparatus	30.35	
Supplies	1.05	
	<hr/>	\$98.76

Superintendent of Schools' Office.

Rent (11 months)	\$225.00	
Heat	50.00	
Moving furniture	21.30	
	<hr/>	\$296.30
School supplies (brushes, dusters, baskets, etc.)	\$574.73	
Grading Webster School lot	24.00	
Carriage hire	28.00	
Incidentals	21.51	
	<hr/>	\$648.24

Total debit (as above)	<hr/> <hr/>	\$15,331.25
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SCHOOLHOUSE, ENGLISH HIGH, ACCOUNT.

CREDIT.

Balance unexpended December 31, 1894	\$37,296.67
Appropriated in 1895	27,000.00
Received from Walter S. Sampson:—	
For janitor's services during construction	254.75
Water services	116.18
Heating	610.00
Insurance	120.00
	<hr/>
Total credit	\$65,397.60

DEBIT.

Expenditures:—	
Walter S. Sampson, on account contract	\$39,429.00
	<hr/>
Amounts carried forward	\$39,429.00
	<hr/>
	\$65,397.60

<i>Amounts brought forward</i>	\$39,429.00	\$65,397.60
Walter S. Sampson, changing finish of woodwork	4,500.00	
Walter S. Sampson, extra work	2,341.47	
James Tucker & Sons, plumbing in laboratories	895.00	
James Tucker & Sons, plumbing in manual training department	330.65	
Robert D. Ireland & Co., on account contract for electric and gas fixtures	1,318.85	
J. F. Bubert, on account contract for electric wiring	1,036.30	
Blodgett Bros. & Co., electric clocks, etc.	454.00	
John Y. Mainland, on account con- tract for laboratory fittings	2,000.00	
Wemyss Bros. & Co., on account contract for carpentering and woodworking for manual training school	2,402.66	
Hartwell & Richardson, on account architects' services	3,485.85	
Furniture	4,801.84	
Window shades	286.56	
Screens	100.00	
Carpenter's and drawing tools, etc.	964.94	
Carpentering	582.20	
Painting, whitewashing, etc.	120.35	
Mason work	29.85	
Electrical work	24.08	
Paperhanging	19.20	
Tablets	330.00	
Insurance	45.00	
Sundry expenses	28.22	
Total debit		\$65,526.02
Amount overdrawn		\$128.42

SCHOOLHOUSE, HIGH AND ENGLISH HIGH, HEATING,
VENTILATING AND PLUMBING, ACCOUNT.

CREDIT.

Balance unexpended December 31, 1894 . . .	\$7,202.72
Appropriated in 1895	1,000.00
Total credit	<u>\$8,202.72</u>

DEBIT.

Expenditures: —

James Tucker & Sons, on account contract for plumbing . . .	\$1,511.00	
A. A. Sanborn, on account contract for heating and ventilating ap- paratus	6,171.00	
A. A. Sanborn, extra work . . .	582.96	
Percy N. Kenway, professional services, regulating heating ap- paratus	45.00	
Total debit		\$8,309.96
Amount overdrawn		<u>\$107.24</u>

SCHOOLHOUSE, EDGERLY ADDITION, ACCOUNT.

CREDIT.

Balance unexpended December 31, 1894 . . .	\$619.48
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DEBIT.

Smith Heating & Ventilating Co., balance of con- tract for heating and ventilating apparatus . . .	\$565.50
Balance unexpended	<u>\$53.98</u>

SCHOOLHOUSE IN WARD FOUR, SOUTH SIDE OF
FITCHBURG RAILROAD, ACCOUNT.

CREDIT.

Balance unexpended December 31, 1894 . . .	\$54.51
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DEBIT.

A. A. Sanborn, final payment on account contract for heating apparatus	\$689.00
Amount overdrawn	<u>\$634.49</u>

SCHOOLHOUSE, O. S. KNAPP ADDITION, ACCOUNT.

CREDIT.

Balance unexpended December 31, 1894 . . .	\$2,876.54
Appropriation in 1895	1,500.00
Total credit	<u>\$4,376.54</u>

DEBIT.

Expenditures:—

John Kelley, balance on account contract for construction of addition	\$3,100.00
Braman, Dow & Co., balance on account contract for heating apparatus	600.00
Loring & Phipps, balance on ac- count architect's services	433.40
Electric wiring	38.06
Window shades	61.75
Total debit	<u>\$4,233.21</u>
Balance unexpended	<u>\$143.33</u>

SCHOOLHOUSE IN WARD FOUR, ACCOUNT.

CREDIT.

Appropriation	\$53,000.00
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DEBIT.

Expenditures : —

Margaret A. Simpson, 35,034 sq. ft. land	\$ 7,908.33
F. G. Coburn & Co., on account contract	12,555.60
Samuel D. Kelley, architect's ser- vices	1,200.00
Grading and filling	841.29
Water services	15.00
	<hr/>
Total debit	\$22,520.22
	<hr/>
Balance unexpended	<u>\$30,479.78</u>

SCHOOL CONTINGENT ACCOUNT.

(Janitors' Salaries.)

CREDIT.

Appropriation	\$12,000.00
Received from Walter S. Sampson for janitor's ser- vices in English High School	847.50
	<hr/>
Total credit	\$12,847.50

DEBIT.

Expenditures : —

For salaries paid	\$13,268.59
	<hr/>
Amount overdrawn	<u>\$421.09</u>

EXPENDITURES BY THIS COMMITTEE FROM MISCELLANEOUS ACCOUNT.

City Hall Expenses : —

For repairs building	\$ 598.66	
Furniture	359.39	
Repairing furniture	34.90	
Repairing heating apparatus	66.75	
Electric lighting	300.00	
Gas	49.66	
Fuel	223.50	
Water	13.30	
Telephones	133.82	
Supplies	31.50	
Express on bundles	20.67	
Laundry	24.00	
P. O. box rent	3.00	
Labor	24.00	
Safes	1,737.50	
	<hr/>	\$3,620.65

City messenger's team : —

For maintenance	552.15
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City engineer's team : —

For maintenance	225.00
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Election expenses : —

For fitting up voting precincts, repairs of boxes, fittings, etc.	\$401.31	
Care of rooms for elections and caucuses	98.00	
Rent of rooms for elections and caucuses	55.00	
	<hr/>	\$554.31

Incidentals	20.97
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Total expenditures	<hr/> <hr/>	\$4,973.08
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ENGLISH HIGH SCHOOL.

The English High School, the construction of which was commenced by the Committee on Public Property of 1893 and continued by the committee of 1894, was finished during the year and turned over to the school committee for occupancy for the fall term.

The heating and ventilating apparatus in the Latin High School has been entirely remodelled, and a new system, designed to heat both buildings from one plant, has been introduced. Heat is furnished from three boilers placed in the Latin School and is carried through a subway between the buildings into the English High. Excellent ventilation is secured for both schools by the fan system, there being a fan in each building, and by this method a continual flow of warm, fresh air can be furnished at all times.

The basement of the new building contains room for ventilating apparatus, toilet rooms, etc., and in the southeast corner a room has been fitted up and furnished with apparatus and appliances for a manual training department. On the first floor are classrooms and a suite of rooms for the offices of the Superintendent of Schools, to which access may be had either through the main hallway or by a private entrance at the rear of the building. On the second floor are more classrooms and an office for the principal of the school. The third floor contains a lecture room with a seating capacity for 300 persons, a chemical and a physical laboratory, fitted in the most approved manner, and two classrooms. On the floor above these two classrooms is the drawing room, covered with glass roofing and excellently lighted.

This building is certainly a most valuable addition to the school buildings of the city, and has been constructed, in every way, to satisfy as far as possible all wishes and desires of the School Board, and the Committee feels that it meets in every manner the oft-repeated appeals which the School Board has made for such a building.

The total cost of the building, including laboratory and manual training school fittings, school furniture, etc., and heating and ventilating apparatus for both buildings, was \$147,776.96 above the land.

WILLIAM H. HODGKINS SCHOOL.

In pursuance of an order, dated March 27, 1895, there was purchased of Margaret A. Simpson, 35,034 square feet of land, located

at the corner of Holland street and Simpson avenue, for the sum of \$7,908.33. Plans were prepared by Samuel Dudley Kelley, architect, for the erection thereon of a twelve-room brick building, and under authority from the City Council contracts have been awarded to F. G. Coburn & Co. for \$39,163 for construction, and to the Boston Furnace Company for \$4,637 for heating and ventilating apparatus. Owing to unusual delay in the construction of this building, it will probably not be used for school purposes until the fall term.

During the year the city has met with a severe loss in the death of Mr. Thomas R. Roulstone, who served the city faithfully and ceaselessly for so many years. As Superintendent of Public Buildings he came most directly in contact with this committee, and none could better appreciate the most able and valuable service which he has always given to the city, and the genial and kindly manner in which he has sought to smooth the many rough and uneven places in life for those with whom he was so constantly associated.

Many improvements have been made in the several schoolhouses during the year, but owing to the death of the Superintendent, and a change in that department being made so late in the year, it is found to be impossible to have prepared the usual detailed statement of the various repairs and improvements which is generally given in the report of the Superintendent of Public Buildings.

For the Committee,

EDMUND S. SPARROW, *Chairman.*
WILLIAM P. MITCHELL, *Clerk.*

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REPORT

OF THE

INSPECTOR OF BUILDINGS.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, March 6, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, March 6, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

SOMERVILLE, MASS., January 1, 1896.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL :—

Gentlemen,—In accordance with city ordinance, the following report of this department for the year ending December 31, 1895, is respectfully submitted.

Mr. Thomas R. Roulstone, the former Inspector of Buildings, died October 17, 1895, and the present incumbent was appointed November 1, of the same year.

The number of building permits issued during the year was 566, classified as follows :—

	WARDS.				TOTAL.
	1	2	3	4	
Single dwellings	24	47	127	176	374
Dwellings in blocks . . . . .	..	2	..	..	2
Additions and alterations	13	22	34	21	90
Stables	1	9	17	16	43
Stores	2	3	5	2	12
Shops	3	4	2	3	12
Churches . . . . .	..	1	1	..	2
Manufactories . . . . .	..	..	1	..	1
Offices . . . . .	..	..	2	..	2
Stores and tenements . . . . .	..	3	4	..	7
Sheds	2	6	3	3	14
Car house . . . . .	..	..	..	1	1
Pumping station . . . . .	..	..	..	1	1
Storehouses . . . . .	..	2	..	3	5
	45	99	196	226	566

Frequent examinations have been made of buildings in course of construction or alteration, and in all cases of faulty construction, violation of ordinance, or danger from fire, the owners and builders have, on notice, complied with the orders of the Inspector.

Special attention has been given, by the present incumbent, to the following cases:—

Woodwork too near chimney	27
Cellar walls improperly built	6
Boiler setting and chimney unsafe	1
Brick partition walls ordered	3

The number of city buildings built or additions made thereto are as follows:—

Fire Department station (now being constructed)	1
English High School building (finished)	1
Grammar School (now being constructed)	1

I would recommend the following changes in the building ordinance:—

1. That the frontage of ordinary buildings be limited to forty feet, instead of fifty, as now provided, without the intervention of a party wall.
2. That the use of ledger-boards, in place of girts, be prohibited.
3. That all woodwork be required to be kept two inches from chimneys and fireplaces, instead of one inch, as is now provided.
4. That other provisions be inserted with a view to the prevention of the spread of fire in large buildings.

The total number of permits for plumbing was seven hundred and twenty-seven, covering seven hundred and twenty-five buildings.

Permits for plumbing in new buildings	406
Permits for plumbing in old buildings	321
Number of buildings in which plumbing has been inspected	721
Number of buildings where pipes were tested with water	657
Number of buildings with defective pipes	53
Faulty construction of waste or vent system	32
Faulty connection with drain	4
Insufficient number of clean-outs	21
Fixtures not properly trapped	16
Vent stacks not carried through roof	6

These violations were pointed out to the plumbers having charge of the work, and the plumbing was reconstructed in accordance with the provisions of the plumbing ordinance.

The Inspector has kept himself informed of the condition of the plumbing as the buildings have progressed and, as necessity required, given directions how the work should be done.

I would recommend a change in the plumbing ordinance, specifying the weight of lead pipe, requiring a uniform weight of cast-iron pipe throughout the buildings, the ventilation of apartments in which a water-closet is placed, and a separate water-closet for each family.

The following is the number of licenses and renewals of licenses issued to plumbers during the year under the Acts of 1893 and 1894, and receipts for the same paid to the City Treasurer: —

Number of master plumbers' licenses issued	4	.	.	\$8.00
“ journeymen “ “ “	12	.	.	6.00
“ master “ “ renewed	16	.	.	8.00
“ journeymen “ “ “	6	.	.	3.00
				<hr/>
				\$25.00

Applications for journeymen plumbers' licenses re- jected	2
Applicants for journeymen plumbers' licenses not ap- pearing for examination	3
Applicants for master plumbers' licenses not appearing for examination	1

Respectfully submitted,

FREDERICK C. FULLER,

Inspector of Buildings.

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REPORT

OF THE

SUPERINTENDENT OF PUBLIC
BUILDINGS.

CITY OF SOMERVILLE

IN BOARD OF ALDERMEN, March 6, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, March 6, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports, in
concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF SUPERINTENDENT OF PUBLIC BUILDINGS, }
January 1, 1896. }

TO THE HONORABLE, THE MAYOR, AND THE CITY COUNCIL:—

Gentlemen,—In compliance with city ordinance No. nineteen, section eight, this report is respectfully submitted.

As the inspector of buildings is, by virtue of that office, superintendent of public buildings, the statement made by the undersigned in his report as Inspector of Buildings, concerning the death of his predecessor and his own appointment, applies also in this connection.

Repairs, alterations and improvements have been made during the past year at the several city buildings, as follows:—

Police Building.—Judges' room painted, and new carpets and window shades provided. The stairways and halls have been painted, as have also the rooms in the second story of the stable.

City Hall.—An additional radiator has been placed in the office of the clerk of committees, and an additional bookcase provided for the city clerk.

Beach Street School.—Two stoves added and furniture repaired.

Luther V. Bell School.—Extensive repairs on roofs and furniture; also plumbing, gas piping and boilers repaired.

Bennett School.—New sanitariums in basement; outside vaults filled; furniture and heating apparatus repaired.

Bingham School.—Slight repairs on furniture and heating apparatus.

Burns School.—Inside walls repainted, ceilings whitened, and outside woodwork painted; window cords and pulleys renewed.

Cedar Street School.—Heating apparatus repaired; furniture varnished, and window cords renewed.

Cummings School.—Inside walls and water-closets painted; ceilings whitened; blackboards repaired, and part of furniture cleaned and varnished.

Davis School.—Halls painted, new furniture added, and old furniture repaired and varnished.

Edgerly School.—Concrete walks, heating apparatus and doors and windows repaired; furniture varnished; new window shades provided for one room.

English High School.—Slight alterations and repairs made and some new furniture added.

Forster School.—Ceilings whitened; inside walls painted; furniture and heating apparatus repaired, and window cords renewed; new closets built on upper floor, and screens placed in front of radiators.

Franklin School.—New sanitariums and stove in basement; outside privies removed; furniture and heating apparatus repaired; window cords renewed.

Jacob T. Glines School.—Heating apparatus, blackboards, and furniture repaired; new window shades for one room; new clock for basement room.

Harvard School.—New sanitariums provided; furniture and heating apparatus repaired; slight improvements made.

Highland School.—Extensive repairs on furniture and heating apparatus; concrete walks repaired; walls painted and ceilings whitened in one room; new furniture added.

Jackson School.—Furniture repaired and varnished; heating apparatus, blackboards, window cords and doors repaired.

O. S. Knapp School.—Inside walls painted; ceilings whitened; furniture repaired, cleaned and shellaced; furnaces cleaned and supplied with new grates and fire pots; blackboards repaired; outside woodwork painted; division fence built.

Latin School.—New sanitariums provided; new furniture added; old furniture repaired and varnished; slight repairs to heating apparatus.

Lincoln School.—Roof repaired; furniture repaired and varnished.

Morse School.—Fences painted; furniture repaired; walls of halls and schoolrooms painted.

Charles G. Pope School.—Furniture repaired and varnished; heating apparatus repaired.

Prescott School.—Electric bells and tubes put in; dressing-room made in hall; radiators repaired and changed; roofs and boilers repaired; basements whitened; one room painted; furniture repaired and varnished; window cords renewed; fence removed.

Prospect Hill School.—Furniture repaired and varnished in two rooms.

Spring Hill School.—This building is still used for storage purposes and as a work shop.

In addition to the above, ordinary repairs have been made as occasion has required.

FREDERICK C. FULLER,

Superintendent of Public Buildings.

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REPORT

OF THE

SUPERINTENDENT OF ELECTRIC
LINES.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, March 6, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, March 6, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF SUPERINTENDENT OF ELECTRIC LINES AND LIGHTS, }
City Hall, January 1, 1896. }

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL:—

Gentlemen,— I have the honor to herewith submit my third annual report of the department for the inspection of wires. It covers the year ending December 31, 1895.

Square hard-pine poles have been substituted for inferior round poles on the following streets, joint locations being given to the New England Telephone Co., Somerville Electric Light Co., and West End Street Railway Co., where it was possible to do so;— Highland avenue, between Vinal avenue and Walnut street; Walnut street, from Pearl street to Broadway; Pearl street, from Glen street to Mt. Vernon street; Franklin street, from Pearl street to Broadway; Arlington street; Lincoln street; Chapel street; Elm street, both sides, from Somerville avenue to Davis square; Holland street, both sides; Broadway, both sides, from Curtis street to the Arlington line, and from the Boston line to Central street; Somerville avenue, south side, from the Cambridge line to Union square, and from Union square to Elm street; Pinckney street, from Pearl street to Perkins street; Washington street, both sides, from the Boston line to Union Square; and single poles have been placed on a large number of different streets.

The following streets have been equipped with feed and trolley wires by the West End Street Railway Co.,— Washington street, Somerville avenue, Elm street, Holland street, Broadway, from Curtis street to Waterhouse street.

A large number of private residences, stores and public buildings, including two churches, have been inspected for electric wiring. As in some instances buildings have been found wired for which no in-

spection had been asked, and the buildings imperfectly wired in some cases, I would recommend an ordinance whereby all persons intending to wire buildings should first obtain a permit.

Private telephone lines have been inspected and a large number of dead wires removed throughout the city.

FIRE ALARM AND POLICE.

During the year 134 bell alarms have been given, the largest number of any year. One box, No. 216, has been added. A gong has been placed in the City Hall.

A circuit has been constructed from the Central Fire Station and Hose Two in Somerville to the Chemical house in Medford, whereby alarms can be exchanged so that a ready response can be made by either city for a fire occurring near the border.

The fire alarm and police signal boxes and lines have been changed from old poles to new hard-pine poles on the following streets,—Washington street, Somerville avenue, Elm street, Holland street, Broadway, Walnut, Pinckney, Lincoln, Arlington and Franklin streets. The remainder of the city wires have this year been raised to the tops of the poles, so that now all police, fire alarm and city wires are on white arms above all other lines.

Arrangements have been made with the Somerville Electric Light Co. to blow the no-school signal for the benefit of the pupils of the Clarendon Hill district, as this part of the city is too far distant from any station for the alarm to be heard. This difficulty will be remedied if the proposed new fire station is built on Clarendon Hill.

I would recommend that fire-alarm boxes be placed in the isolated parts of the city, and a whistle in the central part of the city to be connected with the alarm.

FIRE-ALARM TELEGRAPH.

LIST OF BOXES WITH THEIR NUMBERS AND LOCATIONS.

12. Junction Somerville avenue and Linwood street.
13. McLean Asylum.
14. Cross street, corner of Gilman street.
15. Washington street, corner of Myrtle street.
16. Webster street (Hose House No. 1).
17. Lincoln street, corner of Perkins street.

18. Broadway, corner of Mt. Vernon street.
19. Medford street, corner of Washington street.
112. John P. Squire & Co.'s, Somerville avenue.
113. F. R. R. Freight Yard.
115. Franklin street, opposite Oliver street.
116. Broadway, near Autumn street.
118. Boston & Maine R. R. car shops, near Prison Point.
119. Corner of Somerville avenue and Medford street.
21. Medford street, corner of South street.
23. South street, Howe & Putney (Pork House).
24. Webster avenue, opposite Norfolk street.
25. Washington street, corner of Prospect street (Hose House No. 3).
26. Concord square, corner of Springfield street.
27. Bow street (Police Station).
28. Somerville avenue, corner of Laurel street.
29. Washington street, opposite Dane street.
216. Highland avenue, corner Vinal avenue.
217. Summer street, corner of School street.
221. North Packing and Provision Co.'s, Medford street.
224. Prospect street, near Oak street.
225. Union Square, Masonic Building.
227. American Tube Works, Frost avenue.
228. Middlesex Bleachery, Somerville avenue.
231. Boston street, corner of Greenville street.
31. Central Fire Station, Medford street, junction Highland avenue.
32. Bonair street, opposite Dana street.
33. Medford street, corner Dartmouth street.
34. Marshall street (Hose House No. 2).
35. Broadway, junction of Main street.
36. Central street, corner of Vernon street.
37. Magoun square.
38. Cedar street, corner of Clyde street.
331. Gilman square.
332. Pearl street, corner of Aldrich street.
334. Wheatland street, corner of Jaques street.
335. Melrose street, off Mystic avenue.
4. Powder House square.
41. Summer street, corner of Cedar street.
42. Beacon street, corner of Kent street.
43. Beacon street, corner of Harris street.
45. Summer street, opposite Spring street.
46. Elm street, junction Somerville avenue.
46. Duplicate: Hose House No. 5.

- 47. Highland avenue, corner of Grove street (Engine House No. 4).
- 48. Broadway, corner of Curtis street.
- 49. College Hill (Professors' row).
- 421. Highland avenue, corner of Central street.
- 423. City Hospital, Crocker street.
- 423. Duplicate: Ladder House No. 2, Highland avenue.
- 441. Gorham street, corner Howard street.
- 442. Holland street, opposite Irving street.
- 443. Davis square.
- 445. Meacham street, corner Campbell park.
- 447. Elm street, corner of William street.
- 55. No School.
- 6-6-6. Police Call.
- 7-7-7. Military Call.
- 5 Blows. Second engine call.
- 8 Blows. Extra ladder truck call.

Respectfully submitted,

LEIGHTON W. MANNING,

Superintendent of Electric Lines.

V

REPORT

OF THE

INSPECTOR OF MILK.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 22, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, January 22, 1896.

Reference concurred in.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF INSPECTOR OF MILK, }
SOMERVILLE, January 11, 1896. }

TO HIS HONOR, THE MAYOR, AND GENTLEMEN OF THE CITY
COUNCIL:—

In accordance with the State Law, it is my duty to report to you in regard to the requirements of the office of Inspector of Milk, etc.

During the year 1895 I have inspected the usual number of samples of milk, according as I deemed it necessary, as the inspection of milk samples is left to the judgment of the Inspector. It is not required by law, unless there are direct complaints, or good grounds for suspicion.

I have granted to milkmen two hundred and thirty-nine licenses to sell milk in this city, also fifty-one registers to the same number of stores, bakeries and markets. This number of registers added to those given in previous years increases the number to between five and six hundred. I will mention that registers do not have to be renewed. Proprietors of stores are constantly changing, and every time there is a change of proprietor or location, a new register must be given.

It gives me pleasure to state that the quality of milk furnished to our city has greatly improved within the past four or five years. I have not had one direct complaint of poor milk in a year. Occasionally there has been talk of poor milk, but in every case, when it has been hunted up, it did not mature. Milkmen, as business men, will compare favorably with any other class of business men in the city, for honesty and fair dealing. Between three and four hundred cows are kept in this city by private citizens, for the production of milk.

This, together with statements made before, will show that the milk supply is an important matter to our people.

The largest proportion of the milk supplied to the City of Somerville comes from the country towns adjacent, as well as from Maine, New Hampshire and Vermont.

Only two Oleo licenses have been given in 1895. The stringent rules and the exorbitant tax imposed by the United States Government, has completely discouraged Oleomargarine dealers. The amount paid for milk licenses and registers to the city treasury in 1895 equals one hundred and forty-six dollars.

Respectfully submitted,

THOMAS CUNNINGHAM,

Milk Inspector.

W

REPORT

OF THE

INSPECTOR OF ANIMALS AND
PROVISIONS.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, January 22, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, January 22, 1896.

Reference concurred in.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF INSPECTOR OF ANIMALS AND PROVISIONS, }
January 11, 1896. }

TO HIS HONOR, THE MAYOR, AND GENTLEMEN OF THE CITY
COUNCIL:—

I beg leave herewith to present to you my annual report as Inspector of Animals and Provisions for the year 1895. There are three large slaughtering establishments, and one small one, in this city. No. 1, John P. Squire & Co., situated on Medford and Gore streets, and No. 2, North Packing and Provision Co., also on Medford street, kill, dress and market hogs only. No. 3, New England Dressed Meat & Wool Co., on Medford street, kill cattle, calves and sheep. No. 4, Hartz Gunsenheizer, 104 North street, slaughters cattle and calves. At this latter place, during the year, eight hundred and eighty-nine cattle and ten hundred and sixteen calves were killed and marketed, mostly for the Jewish population of Somerville and vicinity. No. 3, New England Dressed Meat & Wool Co., killed in the same period three thousand, two hundred and sixteen cattle, fifty-two thousand, three hundred and fifty-three calves, two hundred and ninety-four thousand, six hundred and fifteen sheep. From this entire number of animals in both establishments only eight cattle, fifty-four calves and four hundred and twenty-seven sheep were condemned. New England Dressed Meat & Wool Co. also received and shipped thirteen thousand, six hundred and thirty-three cattle and thirty-seven thousand and six sheep. North Packing and Provision Co. have killed and marketed six hundred and sixty-six thousand hogs, and J. P. Squire & Co. have also killed and marketed six hundred and eighty-three thousand, one hundred and ninety-two hogs.

Total number of animals killed and marketed from the four establishments in 1895 equals one million, six hundred and fifty-six thousand, two hundred and eighty-one.

There are in Somerville about sixty stores and markets where groceries and provisions are kept for sale, besides one hundred and thirty grocery stores. Also there are from thirty to forty wagons licensed to sell fish and different kinds of meat. I am glad to report stores, markets and wagons in good order and in good repute. There have been but very few complaints as to neglect of duty in keeping all these places cleanly and in good condition. So far as has been possible, I have kept myself thoroughly informed in regard to all the divisions of my office. Somerville may well be proud of her citizens, both great and small.

The Cattle Commission now require but one inspection of domestic animals during the year. In the months of October and November I made the tour of the city and examined three hundred and twenty-three cows in milk, twenty-one dry, sixteen fattening, ten young stock, four oxen, two bulls, one hundred and thirty swine, and one sheep. Why goats are not included in the list of domestic animals, I do not know. Probably they have been forgotten. Total number of domestic animals, owned by one hundred and thirty-two private citizens, equals five hundred and seven. All were healthy.

I will simply mention that the tuberculosis raid made by the Cattle Commission was entirely outside of the duties of my office, therefore I do not report upon the same.

Trusting that this report, gentlemen, will meet with your approval, I remain,

Your respectful and humble servant,

THOMAS CUNNINGHAM,

Inspector of Cattle and Provisions.

X

REPORT

OF THE

SEALER OF WEIGHTS AND
MEASURES.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, March 25, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, March 25, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports,
in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF SEALER OF WEIGHTS AND MEASURES, }
151 Central Street, January 30, 1896. }

TO THE HONORABLE, THE MAYOR, AND THE CITY COUNCIL:—

Gentlemen,—The following is respectfully submitted as the second annual report of the Sealer of Weights and Measures, and is for the year ending December 31, 1895.

NUMBER OF WEIGHTS, MEASURES AND BALANCES TESTED AND SEALED.

Scales	759
Weights	2,538
Dry measures	879
Wet measures	820
Milk cans	6,623
Milk jars	246
Cream jars	907
Oil cans	16
Coal baskets	33
Yard sticks	44
Oil tanks	5

NUMBER OF MEASURES AND BALANCES TESTED AND CONDEMNED.

Scales	3
Dry measures	54
Wet measures	23
Milk cans	3
Milk jars	5
Cream jars	57
Oil cans	1
Coal baskets	18

Many of the scales were adjusted, and weights drilled or plugged, as was found necessary.

Two inaccurate scales were tagged, as provided by law; the tag to remain until removed by the sealer, and the scales not to be used until sealed by him.

The annual legal notice was published early in the year, calling upon all persons using weights, measures or balances in their business to bring the same to be sealed. Such as were brought to the office were tested, and sealed or condemned as the case required.

The sealer has also visited all places known to him where goods were bought or sold, and has there sealed or condemned all weights, measures and balances which had not already been sealed within the year.

Due attention has also been given to street pedlers.

The receipts and expenses for the year were as follows:—

Fees collected and paid to the city treasurer	\$207.85	
Fees received by treasurer directly from business corporations	12.77	\$220.62
Expenses,— man and team : . . .	\$89.50	
Stamps, and recutting same . . .	5.89	
Badge	1.25	
Supplies, and lead for plugging weights	3.25	
Books, printing and advertising	38.45	\$138.34
Sealer's salary		\$300.00

AMMIEL COLMAN,

Sealer of Weights and Measures.

Y

REPORT

OF THE

CITY SOLICITOR.

CITY OF SOMERVILLE.

IN BOARD OF ALDERMEN, April 8, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

IN COMMON COUNCIL, April 9, 1896.

Concurred in.

CHAS. S. ROBERTSON, *Clerk.*

CITY OF SOMERVILLE.

April 6, 1896.

TO THE HONORABLE, THE MAYOR, AND THE CITY COUNCIL :—

I respectfully submit my report as City Solicitor for the year ending December 31, 1895. The following were the cases pending in the courts during the year 1895, in which the City of Somerville was a party, and so far as disposed of, they were disposed of as hereinafter stated :—

1. *Parker vs. Somerville*—Before County Commissioners of Middlesex County. Damages on account of land alleged to have been taken for a sewer by the city.

2. *Boston & Lowell R. R. Co. vs. Somerville*—Before Superior Court for Middlesex County. Petition in regard to repairs and reconstruction of bridges across railroad location in Somerville, and assessment of expenses thereof.

3. *Williams vs. Somerville*—Before Superior Court for Middlesex County. Action for damages on account of alleged injuries to cattle by the employees of the Gypsy Moth Commission.

4. *Cole, Collector, vs. Charles H. North*—Before Superior Court for Suffolk County. Action to recover personal estate taxes for 1890.

5. *Mayor and Aldermen of Somerville vs. Fitchburg and Albany Railroad Companies*—Before Superior Court for Middlesex County. Petition for appointment of commissioners in regard to grade crossings on Somerville avenue.

6. *Somerville vs. Gore et al.*—Before Superior Court for Middlesex County. Action to recover \$200 paid in suit *McCarthy vs. Somerville* on account of injuries on October 31, 1892, on Somerville avenue. Judgment at trial for the city for \$267.93, and judgment paid.

7. *Smith vs. Somerville* — Before Superior Court for Middlesex County. Action for injury to horse and carriage alleged to have been received on Medford street on August 28, 1893.

8. *White vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Medford street on August 28, 1893.

9. *Tower et al. vs. Somerville* — Before Superior Court for Middlesex County. Appeal from award for alleged taking of land for sewer on Tower street.

10. *Graham vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Franklin street on December 5, 1892.

11. *Symmes vs. Somerville* — Before County Commissioners of Middlesex County. Petition for repairs of Middlesex avenue.

12. *Emerson vs. Somerville* — Before Superior Court for Middlesex County. Petition for assessment of damages on account of alleged taking of land and buildings at Nathan Tufts Park. Verdict for city at trial, and plaintiff appealed to Supreme Court, where case is now pending.

13. *Dimick vs. Somerville* — Before County Commissioners of Middlesex County. Petition for laying out of Line street.

14. *Veazey vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Summit avenue on January 31, 1894.

15. *Metropolitan Park Commissioners vs. Somerville* — Before Supreme Judicial Court for Suffolk County. Assessment of expenses of Metropolitan Park System. Award made by commissioners.

16. *McNamara vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received by caving in of trench for water-pipe on March 31, 1894, on Elm street. Settled May 16, 1895, by payment of \$500.

17. *Rowe vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Somerville avenue on February 28, 1894. Settled July 19, 1895, by payment of \$300.

18. *Stevens vs. Somerville* — Before Superior Court for Middlesex County. Appeal from award of damages for land alleged to have been taken for sewer. Settled September 28, 1895, by payment of \$350.

19. *Somerville vs. Walker* — Before Superior Court for Middlesex County. Bill in equity to restrain erection of oil works.

20. *Edgecomb vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Washington street on November 5, 1894.

21. *Metropolitan Sewer Commissioners vs. Somerville* — Before Supreme Judicial Court for Suffolk County. In the matter of appointment and award of Commissioners to assess expense of Metropolitan Sewer System.

22. *Reed vs. Somerville* — Before Superior Court for Middlesex County. Action for damages alleged to have been received from the conducting of sewage through his premises near Mystic avenue.

23. *Stearns vs. Somerville* — Before Superior Court for Middlesex County. Appeal from award of damages for land alleged to have been taken for sewer.

24. *Clark vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on School street, on December 28, 1894.

25. *Mayall vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Florence street, on February 12, 1895.

26. *Kirk vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received by reason of having been in a house, quarantined by Board of Health on account of small-pox.

27. *Cushing et al. vs. Somerville* — Before County Commissioners for Middlesex County. Petition for relocation of Elm and Harvard streets in Somerville and Medford. Relocation ordered in September, 1895.

28. *Somerville vs. Jans* — Before Superior Court for Middlesex County. Action to recover for expenses of support of defendant's wife in insane asylum.

29. *Nichols vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Washington street, on May 4, 1895.

30. *Bell vs. Somerville* — Before Superior Court for Middlesex County. Action for damages alleged to have been suffered by reason of lowering of grade of Broadway, opposite premises of plaintiff.

31. *Courtney vs. Somerville* — Before Superior Court for Middle-

sex County. Action for damages alleged to have been suffered by reason of the drowning of plaintiff's son in Wyatt's Pit.

32. *Cunningham vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Dover street, on October 9, 1894. Settled by payment of \$80.

33. *Osborn vs. Somerville* — Before Superior Court for Middlesex County. Action for damages alleged to have been suffered by reason of change of grade of Porter street and Mountain avenue, opposite plaintiff's premises.

34. *Hart vs. Somerville* — Before County Commissioners for Middlesex County. Appeal from assessment of taxes.

35. *Somerville vs. Waltham* — Before Superior Court for Middlesex County. Action to recover back taxes paid on plaintiff's land in Waltham.

36. *Reed vs. Somerville* — Before Superior Court for Middlesex County. Action (2nd) for damages alleged to have been received from the conducting of sewage through his premises near Mystic avenue.

37. *Downey vs. Somerville* — Before Superior Court for Middlesex County. Action for damages by taking land and part of building for widening of Lowell street. Settled by payment of \$300.

38. *Bailey vs. Somerville* — Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Mt. Vernon street on December 29, 1894.

All of which is respectfully submitted.

S. Z. BOWMAN,

City Solicitor.

Z

REPORT
OF THE
CITY CLERK.

CITY OF SOMERVILLE,

IN BOARD OF ALDERMEN, January 22, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports.
Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, January 22, 1896.

Referred to Committee on Printing, to be printed in the Annual Reports, in
concurrence.

CHARLES S. ROBERTSON, *Clerk*.

CITY OF SOMERVILLE.

OFFICE OF THE CITY CLERK, }
January 22, 1896. }

TO THE HONORABLE, THE MAYOR, AND THE CITY COUNCIL:—

Gentlemen,—The following is respectfully submitted as the twenty-fourth annual report of the City Clerk of the City of Somerville, and is for the year ending December 31, 1895.

CASH.

The receipts and payments were as follows:—

RECEIPTS.

Balance from year 1894, being for dog licences issued in December, 1894,— 3 males at \$2.00 . . .	\$6.00	
Less city clerk's fees paid to the city treasurer in December, 1894, 3 at \$0.20 . . .	.60	
	<hr/>	\$5.40
For dog licenses issued in 1895:—		
1,160 males at \$2.00 . . .	\$2,320.00	
116 females at \$5.00 . . .	580.00	
	<hr/>	\$2,900.00
For recording mortgages, assign- ments, etc., 847 papers . . .	\$507.00	
certificates of marriage inten- tions, 579 at \$0.50 . . .	289.50	
furnishing copies of records . . .	31.50	
recording and posting naturaliza- tion notices, 4 at \$0.50 . . .	2.00	
	<hr/>	
<i>Amounts carried forward</i> . . .	\$830.00	\$2,905.40

ANNUAL REPORTS.

<i>Amounts brought forward</i> . .	\$830.00	\$2,905.40
licenses :—		
to collect junk, 29 at \$2.00 . .	58.00	
for billiard and pool tables and bowling alleys, 3 licenses, for 10 tables and 6 alleys, 16 at \$2.00	32.00	
to auctioneers, 19 at \$2.00 . .	38.00	
for intelligence offices, 10 at \$2.00	20.00	
to sell fireworks, 73 at \$1.00 . .	73.00	
for amusements, 1 at \$50.00 and 50 at \$1.00	100.00	
to street musicians, 25 licenses for 56 persons at \$0.50 . .	28.00	
to a private detective, 1 at \$10.00	10.00	
to slaughter cattle, 4 at \$1.00 . .	4.00	
	<hr/>	\$1,193.00
Total receipts		<hr/> \$4,098.40 <hr/>

PAYMENTS.

To Joseph O. Hayden, county treasurer, June 1 and December 2, receipts for dog licenses from December 1, 1894, to November 30, 1895, both inclusive :—		
1,159 males at \$2.00	\$2,318.00	
115 females at 5.00	575.00	
	<hr/>	
	\$2,893.00	
Less city clerk's fees, 1,274 at \$0.20	254.80	
	<hr/>	\$2,638.20
To John F. Cole, city treasurer, monthly, city clerk's fees for issuing dog licenses, 1,276 at \$0.20 . .	\$255.20	
	<hr/>	
<i>Amounts carried forward</i>	\$255.20	\$2,638.20

<i>Amounts brought forward</i> . . .	\$ 255.20	\$2,638.20
all the "receipts" above specified, except for dog licenses . .	1,193.00	
	<hr/>	\$1,448.20
Total payments		<hr/> \$4,086.40 <hr/>
Balance January 1, 1896:—		
receipts for dog licenses issued in December:—		
4 males at \$2.00, and 1 female at \$5.00	\$13.00	
Less city clerk's fees paid to city treasurer, 5 at \$0.20	1.00	
	<hr/>	<hr/> \$12.00 <hr/>

BIRTHS.

Number of births in Somerville in 1895 registered		1,397
More than previous year		12
Males	703	
Females	694	
	<hr/>	1,397
Born of American parents	511	
“ foreign parents	580	
“ American father and foreign mother . .	140	
“ foreign father and American mother . .	158	
“ American mother, and father of unknown nationality	6	
“ foreign mother, and father of unknown nationality	2	
	<hr/>	1,397
Number of cases of twins		14

MARRIAGES.

Number of intention certificates issued	578
More than previous year	26
Marriages registered	611

More than previous year	37
Both parties American	306
Both parties foreign	163
American groom and foreign bride	70
Foreign groom and American bride	72
	<hr/> 611 couples

First marriage of	1,086
Second marriage of	122
Third marriage of	14
	<hr/> 611 couples

DEATHS.

Number of deaths in Somerville in 1895	838
Less than previous year	35
Males	418
Females	420
	<hr/> 838

Under 10 years of age	276
Between 10 and 20 years of age	28
" 20 " 30 " " 	67
" 30 " 40 " " 	80
" 40 " 50 " " 	57
" 50 " 60 " " 	75
" 60 " 70 " " 	97
" 70 " 80 " " 	99
" 80 " 90 " " 	50
" 90 " 100 " " 	7
Over 100 years of age	1
Of unknown age	1
	<hr/> 838

Age of oldest person deceased	103
Born in Somerville	241
Born in other places in the United States	344
Of foreign birth	249
Birthplace unknown	4
	<hr/> 838

Number of deaths in January	.	.	.	.	84
“ “ February	.	.	.	.	97
“ “ March	.	.	.	.	77
“ “ April	.	.	.	.	73
“ “ May	.	.	.	.	70
“ “ June	.	.	.	.	47
“ “ July	.	.	.	.	55
“ “ August	.	.	.	.	85
“ “ September	.	.	.	.	58
“ “ October	.	.	.	.	60
“ “ November	.	.	.	.	62
“ “ December	.	.	.	.	70
					<hr/>

838

The number of stillbirths recorded during the year was 54.

The causes of death may be found in the report of the Board of Health.

ASSESSED POLLS AND REGISTERED VOTERS.

MEN'S LISTS.

WARD.	PRECINCT.	Assessed Polls, May 1, 1895.	REGISTERED VOTERS.							
			Nov. 20, 1894.	Revised Lists of September 10, 1895.	Added in Sept. and Oct., 1895.	Oct. 25, 1895.	Added in Nov., 1895.	Nov. 20, 1895.	Voted Nov. 5, 1895.	Voted Dec. 3, 1895.
Ward 1	Precinct 1	605	361	299	33	332	14	346	268	294
" 1	" 2	539	326	298	23	321	15	336	252	283
" 1	" 3	795	455	389	46	435	13	448	322	355
" 1	" 4	901	354	281	31	312	2	314	223	264
		2,840	1,496	1,267	133	1,400	44	1,444	1,065	1,196
Ward 2	Precinct 1	792	574	510	44	554	6	560	434	462
" 2	" 2	993	591	540	66	606	12	618	487	509
" 2	" 3	793	333	295	71	366	9	375	293	318
" 2	" 4	1,113	515	448	65	513	2	515	402	426
" 2	" 5	999	362	319	46	365	8	373	283	329
		4,690	2,375	2,112	292	2,404	37	2,441	1,899	2,044
Ward 3	Precinct 1	1,075	665	596	57	653	36	689	513	577
" 3	" 2	761	456	431	41	472	27	499	341	412
" 3	" 3	864	582	560	39	599	53	652	476	566
" 3	" 4	1,110	554	516	76	592	30	622	477	524
		3,810	2,257	2,103	213	2,316	146	2,462	1,807	2,079
Ward 4	Precinct 1	819	443	429	57	486	8	494	395	427
" 4	" 2	900	425	398	72	470	9	479	372	383
" 4	" 3	679	396	374	57	431	11	442	376	381
" 4	" 4	1,020	615	551	78	629	19	648	512	511
		3,418	1,879	1,752	264	2,016	47	2,063	1,655	1,702
City		14,758	8,007	7,234	902	8,136	274	8,410	6,426	7,021

WOMEN'S VOTING LISTS.

WARD.	PRECINCT.	Nov. 20, 1894.	Revised Lists of Sept. 10, 1895.	Added in Sept. and Oct., 1895.	Oct. 25, 1895.	Added in Nov., 1895.	Nov. 20, 1895.	Voted Nov. 5, 1895.	Voted Dec. 3, 1895.
Ward 1	Precinct 1	1	1	33	34	1	35	27	11
" 1	" 2	1	1	12	13	0	13	12	1
" 1	" 3	3	1	40	41	0	41	31	14
" 1	" 4	0	0	1	1	0	1	1	0
		5	3	86	89	1	90	71	26
Ward 2	Precinct 1	5	0	59	59	2	61	52	21
" 2	" 2	5	1	107	108	-1	107	83	49
" 2	" 3	0	0	5	5	0	5	3	2
" 2	" 4	0	0	20	20	0	20	17	10
" 2	" 5	0	0	8	8	0	8	7	5
		10	1	199	200	1	201	162	87
Ward 3	Precinct 1	10	10	45	55	0	55	47	9
" 3	" 2	7	5	56	61	-1	60	52	6
" 3	" 3	10	10	67	77	0	77	71	7
" 3	" 4	8	8	52	60	5	65	53	11
		35	33	220	253	4	257	223	33
Ward 4	Precinct 1	11	10	78	88	1	89	65	20
" 4	" 2	2	1	51	52	1	53	40	9
" 4	" 3	7	7	48	55	4	59	47	7
" 4	" 4	9	8	79	87	5	92	77	19
		29	26	256	282	11	293	229	55
City		79	63	761	824	17	841	685	201

Herewith are presented copies of ordinances passed since the printing of the last annual reports.

GEORGE I. VINCENT,

City Clerk.

a

ORDINANCES.

CITY OF SOMERVILLE.

January 22, 1896.

The following ordinances have been adopted since the printing of the Annual Reports for the year 1894.

GEORGE I. VINCENT, *City Clerk*.

CITY OF SOMERVILLE.

No. 56.

AN ORDINANCE TO REPEAL SECTION THREE OF CHAPTER FIVE OF THE
REVISED ORDINANCES OF 1891.

Be it ordained by the City Council of the City of Somerville, as follows:—

Section 1. Whereas, the times for payment of debts referred to in the hereinafter named section are provided for by statute, therefore section three of chapter five, entitled "Funded Debt," of the revised ordinances of 1891 is hereby repealed.

Section 2. This ordinance shall take effect upon its passage.

Approved June 12, 1895.

Published in *Somerville Journal* of June 29, 1895.

No. 57.

AN ORDINANCE IN RELATION TO EXCAVATING IN STREETS BY GAS
COMPANIES AND OTHERS.

Be it ordained by the City Council of the City of Somerville, as follows:—

Section 1. Section ten of chapter fifteen of the Revised Ordinances of 1891 is hereby amended by adding thereto the following:—

"No gas-light company or corporation or any officer, agent or servant of the same, or any person, acting for it or in its behalf, shall dig up and open the grounds in any of the streets, lanes and highways of the city for the purpose of laying or repairing pipes therein or for any other purpose, until it has first obtained the consent in writing of the mayor and aldermen, or in case of leaks or explosions or breakage of pipes or other exigency, where in the judgment of

those of the following-named officers of the City who may grant such permit immediate action is required, the consent in writing of the committee on highways or the chairman thereof or the superintendent of streets. No person except one authorized so to do as an employee of or in behalf of the City, or one authorized by law so to do without obtaining a permit therefor, shall break or dig up any part of any park, common, street, lane, or highway in the City, unless he or some one of the persons engaged in so doing, shall have in his possession, the written permit therefor from the person or persons authorized to grant the same, which permit shall be exhibited to any police officer of the City, whenever he shall demand to see the same. Any such digging up or opening shall be made only to the extent, in the location, in the manner, within and at the time, and the street must be put in good condition within the time, all as in such permit provided. If the person or company accepting the permit does not, within the time prescribed by said permit, put the street in as good repair and condition as it was in when opened, and satisfactory to the board of aldermen, he shall pay to the City whatever sum shall be expended by it for putting the street into such repair and condition."

Section 2. This ordinance shall take effect upon its passage.

Approved Oct. 23, 1895.

Published in Somerville *Journal* of Nov. 15, 1895.

No. 58.

AN ORDINANCE IN RELATION TO THE TIMES OF PAYMENT OF MEMBERS OF THE FIRE DEPARTMENT.

Be it ordained by the City Council of the City of Somerville, as follows :—

Section 1. Section twenty-two of Chapter seventeen, entitled "Fire Department," of the revised ordinances of 1891, is hereby amended by striking out the first clause thereof, namely, the words, "The chief engineer shall, on the last day of each month, prepare the pay-roll of all persons constantly employed in the department, and present the same, and all bills against the department, to the

committee on fire department," and inserting in place thereof, the following : —

" The chief engineer shall, on the last day of each month, present all bills against the department to the committee on fire department. The provisions of section five of chapter four of these ordinances in regard to the pay-rolls of all employees required by law to be paid weekly shall apply in regard to the making up, approval, forwarding, and payment of the same, and otherwise, to the pay-roll of all persons constantly employed in the department, such pay-roll to be made up by the engineer."

Section 2. Said section twenty-two of chapter seventeen is amended by striking out therein the words " Once in three months, viz., on the last day of March, June, September and December, respectively," and inserting in place thereof the words " on the last day of each month," and by striking out the words " three months," where they occur in the phrase, " and that said company has consisted of members during the last three months," and inserting in place of the words thus stricken out the word " month."

Section 3. This ordinance shall take effect upon its passage.

Approved December 26, 1895.

Published in Somerville *Citizen* of December 28, 1895.

No. 59.

AN ORDINANCE IN REGARD TO SEWERS IN CERTAIN DISTRICTS.

Be it ordained by the City Council of the City of Somerville, as follows : —

Section 1. Whereas the territory in Somerville, the drainage of which is to be discharged into the Medford sewers and conducted through the same into the Metropolitan sewer, comprises those three districts shown on the plans hereinafter in this ordinance contained and marked respectively Plan A, Plan B, and Plan C, and the territory in Somerville, shown on the plan hereinafter in this ordinance contained and marked Plan D, comprises the district the drainage of which is to be discharged into the Metropolitan sewer through a sewer in Somerville, of which the City of Medford for a certain district within its territory has the use in common with the City of Somerville, and

in conformity to the agreement between the City of Medford and the City of Somerville and the rights thereby and otherwise given to the City of Somerville to have the drainage of said districts finally discharge into the Metropolitan sewer all roof and storm water is to be excluded from the sewers in said districts, now,

THEREFORE, the sewage from and in all said districts is to include sewage or drainage only from houses and buildings, and all roof and surface water is to be excluded from the sewers in said districts.

No person shall cause or allow any roof water or surface water by pipe or otherwise to be conducted or to flow or discharge into any pipe or drain connecting with, or which indirectly through any other pipe or drain or directly discharges its contents into any main drain or common sewer within said districts, or the drainage from which directly or ultimately flows into any such main drain or common sewer, or shall do anything to cause, or shall allow, any sewage (except sewage or drainage from houses and buildings) or any roof water or surface water from premises, owned or controlled by him, to be conducted or to flow or discharge, whether directly or indirectly, immediately or ultimately, into any such main drain or common sewer in said districts, and no rain water conductor or pipe for conducting water from roof or grounds shall be connected with any public sewer within said districts or with any soil or waste pipe or drain, which communicates or discharges, directly or indirectly, with or into any such public sewer.

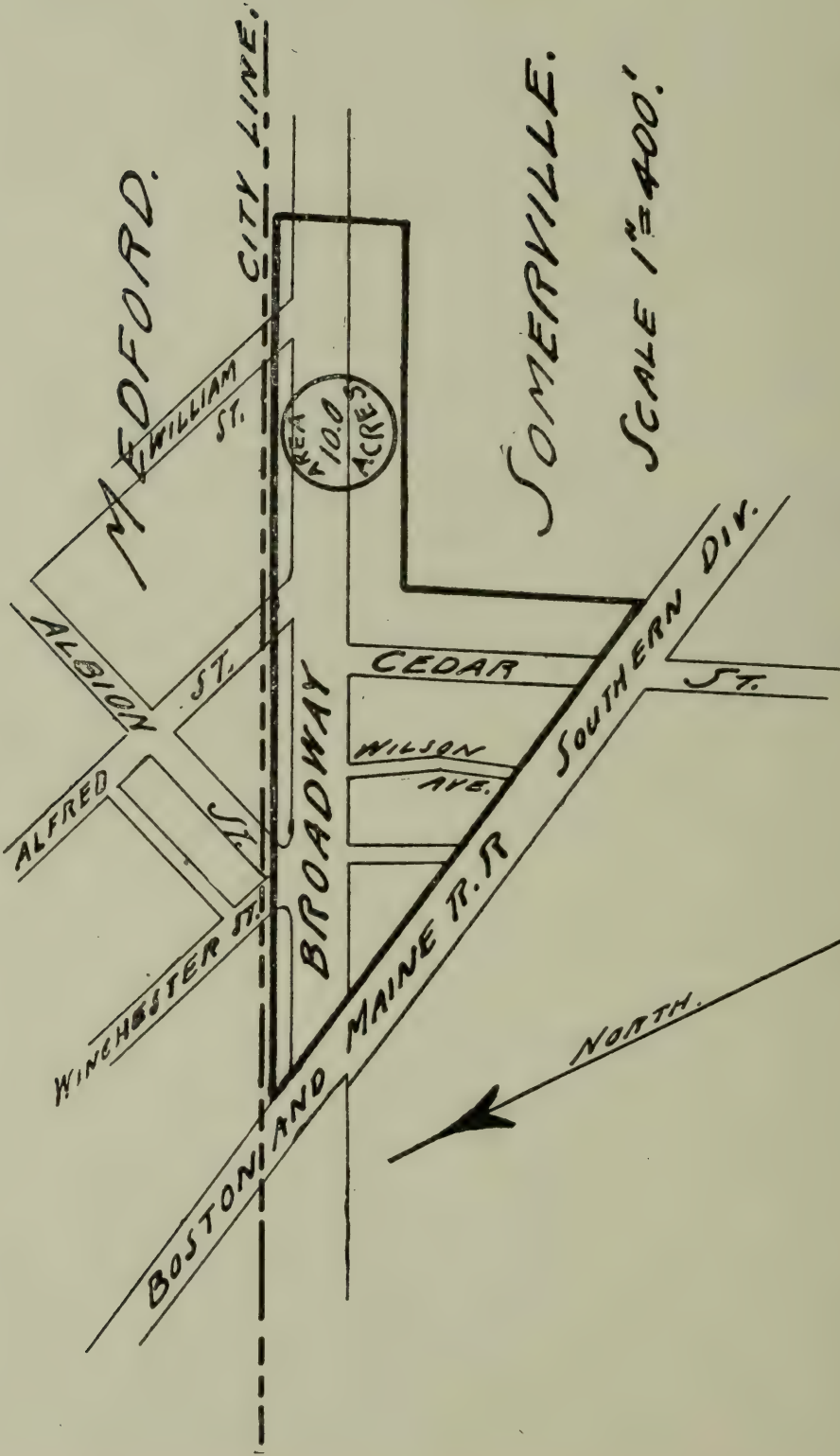
Any pipe or drain, which conducts from premises roof water or surface water in violation of the foregoing provisions, may by order of the Board of Mayor and Aldermen or by order of the Committee on Sewers of the Board of Mayor and Aldermen, when in the judgment of such committee immediate action is required, be cut off and disconnected or otherwise prevented from discharging such roof water or surface water or any sewage, until such provision shall be made as shall be satisfactory to the City Engineer for excluding roof water or surface water from such pipe or drain.

The City Engineer shall not grant a permit to any person to enter a private or other drain or sewer into any main drain or common sewer in said districts or into any private or other drain or sewer, connecting with, or the contents of which will discharge, directly or indirectly, immediately or ultimately, into any main drain or common sewer in said districts, unless it shall appear to his satisfaction, and

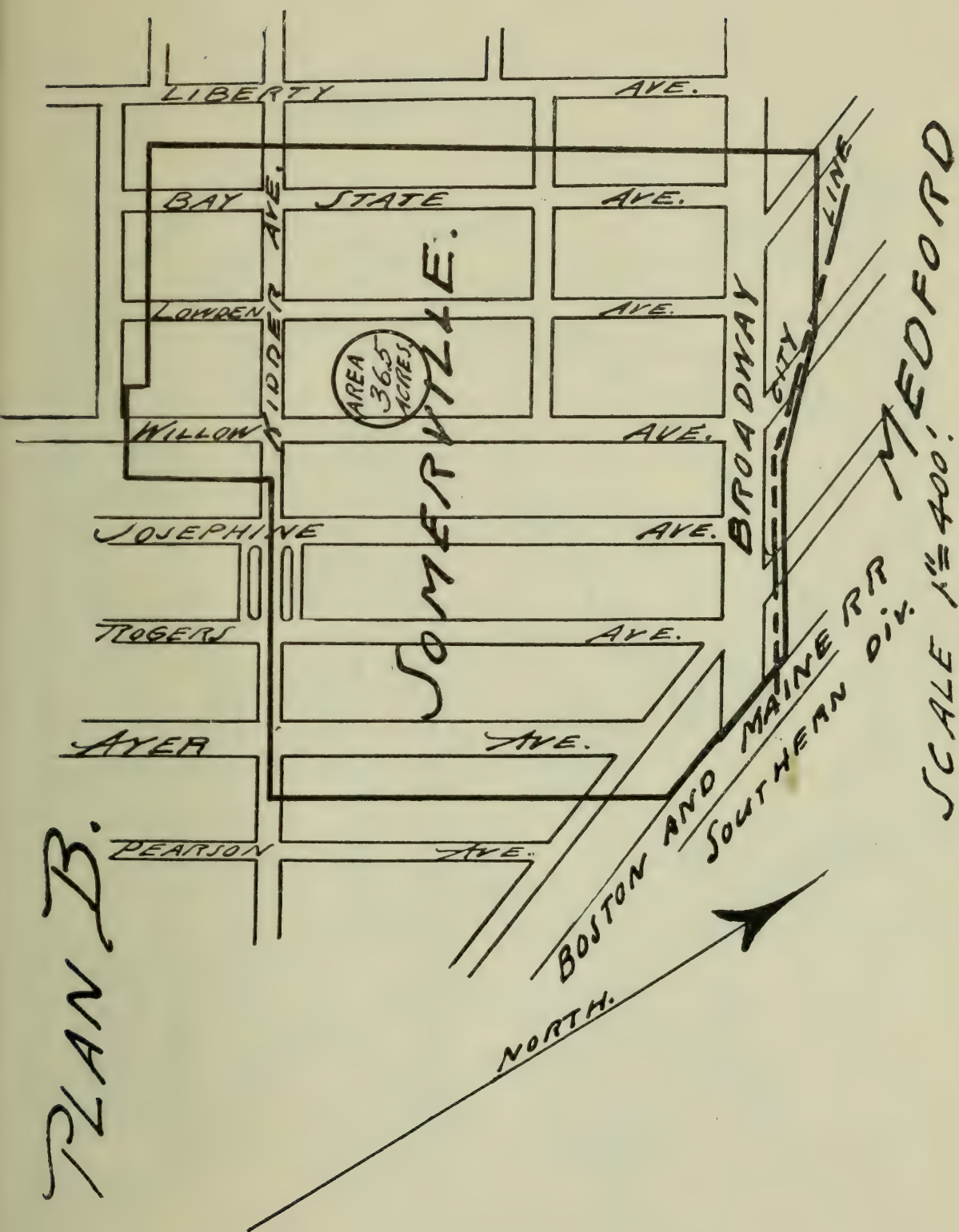
upon examination of the premises by him or by the Inspector of Buildings or such other proper person as he shall direct, that such private or other drain or sewer, for which such permit to enter is required, will not conduct any roof water or surface water in violation of the foregoing provisions, and is not connected, directly, indirectly, or remotely, or in any way with any pipe or drain for conducting away roof water or surface water; and before any such permit is granted by the City Engineer to connect with any main drain or common sewer any private or other drain or sewer, he may require to be cut off or disconnected or may himself cut off or disconnect from such private drain or sewer, for which such permit to enter is required, any such private drain or sewer for the draining of any estate as does not comply with the foregoing requirements, or for which under the foregoing provisions and requirements no permit to enter another drain or sewer would be granted by him.

Section 2. The plans hereinbefore referred to are the following, and the broad black lines about said districts and enclosing the same are the boundary lines thereof:—

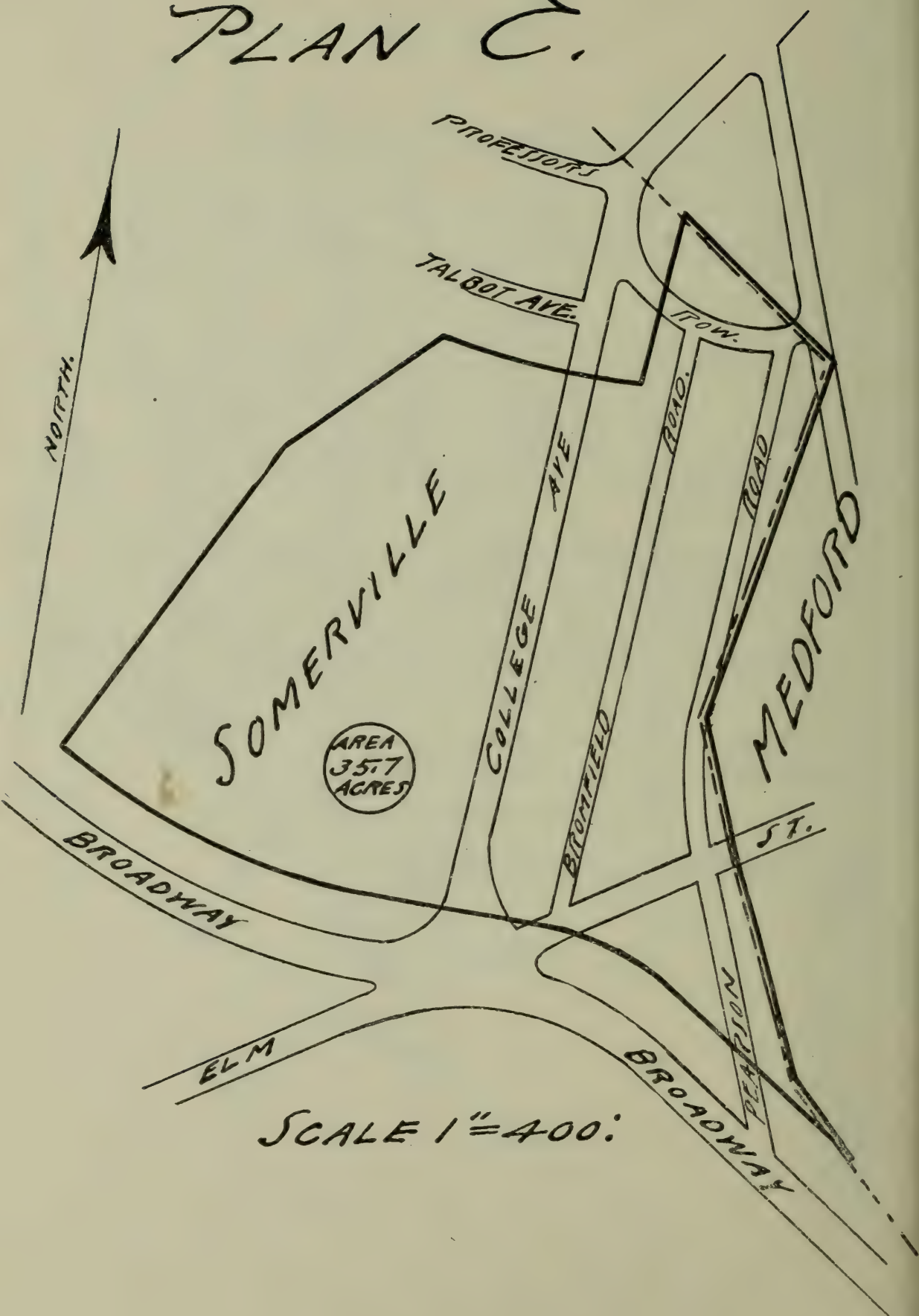
PLAN A.



PLAN B.



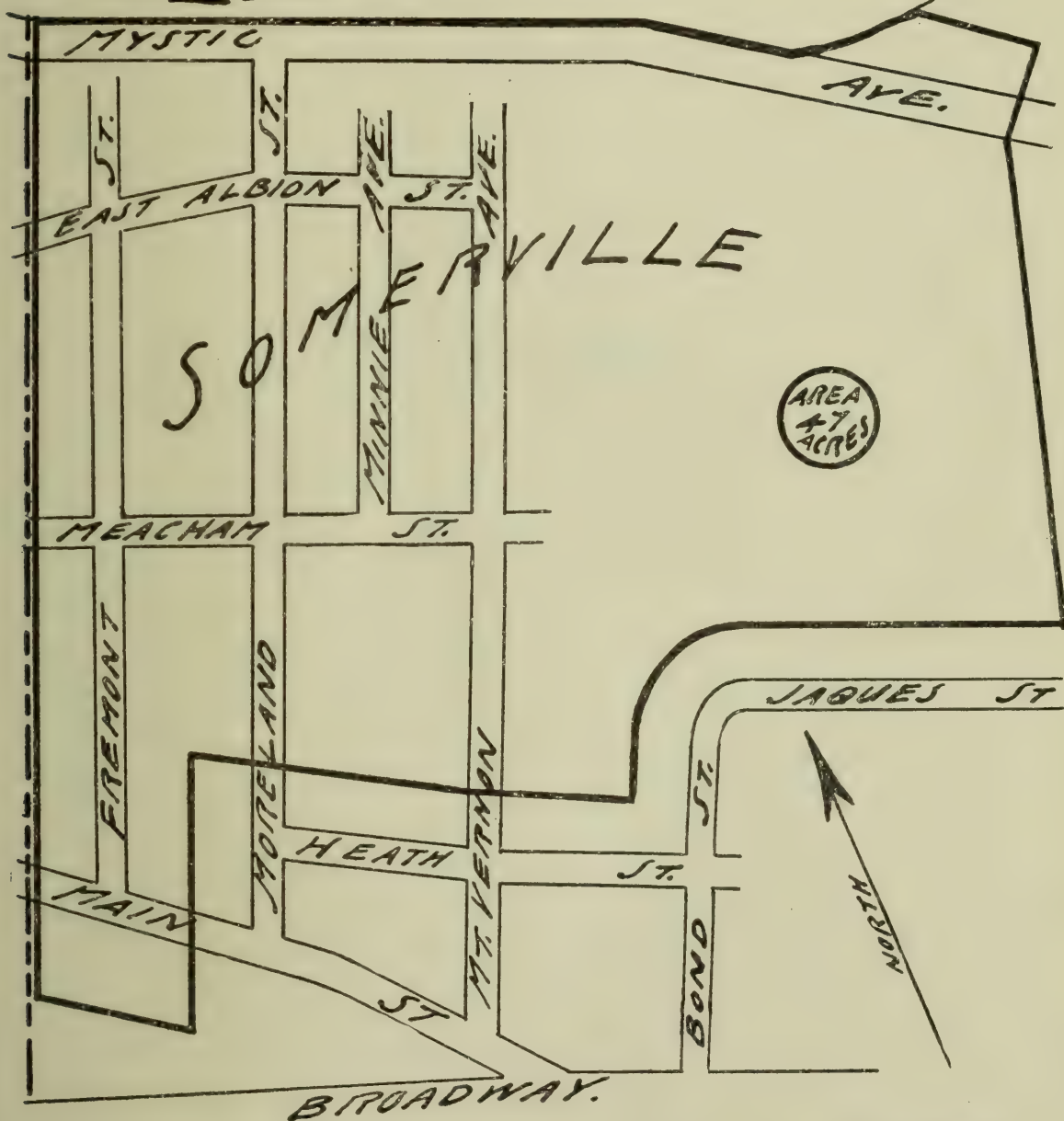
PLAN C.



PLAN D.

MEDFORD

MYSTIC CITY LINE RIVER.



SCALE 1"=400.

Section 3. Whoever violates any provision of this ordinance shall be liable to a penalty of not more than twenty dollars for each offence.

Section 4. This ordinance shall take effect upon its passage.

Approved January 2, 1896.

Published in Somerville *Citizen* of January 17, 1896.

b

JURY LIST.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, March 25, 1896.

ORDERED:—

That the city clerk be, and he hereby is, instructed to cause to be published with the annual reports for the year 1895, the jury list prepared by this board February 26, 1896, and revised and accepted by the common council March 11, 1896, agreeably to the provisions of section 3, of chapter 514, of the Acts of the year 1894.

IN BOARD OF ALDERMEN, March 25, 1896.

Read twice and adopted, and sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

IN COMMON COUNCIL, March 25, 1896.

Read twice, and adopted in concurrence.

CHARLES S. ROBERTSON, *Clerk*.

Approved March 28, 1896.

ALBION A. PERRY, *Mayor*.

JURY LIST, CITY OF SOMERVILLE.

WARD 1, PRECINCT 1.

Atwood, Ebenezer L., 9 Pearl street, grocer.
Burns, Robert, 61 Mt. Vernon street, milk inspector.
Coburn, Fred L., 47 Mt. Vernon street, printer and stationer.
Daniels, Gardner F., 18 Hathorn street, drug broker.
Davis, Thomas L., 50 Mt. Vernon street, burlaps, etc.
Dodge, Edwin G., 21 Benedict street, photographer.
Dustin, George E., 7 Pearl street, leather dealer.
Emerson, George W., 5 Benedict street, bookkeeper.
Fitch, George W., 71½ Florence street, job printer.
Goldthwait, Charles M., 22 Broadway, salesman.
Goodwin, Maxwell J., 43 Pearl street, painter.
Grimes, Alexander, 25 Austin street, teamster.
Hadley, Walter M., 24 Hathorn street, coal.
Knowles, Daniel S., 110 Perkins street, travelling salesman.
Lovering, Everett L., 86 Myrtle street, music teacher.
Lovering, Joseph E. B., 86 Myrtle street, druggist.
Peck, Henry A., 52 Pinckney street, printer.
Reed, Nathan H., 35 Pearl street, real estate.
Snow, John C. H., 60 Mt. Vernon street, carpenter and builder.
Thompson, Daniel W., 13 Benedict street, teamster.
Wemyss, George D., 5 Austin street, furniture manufacturer.
Wilson, William B., 10 Lincoln avenue, superintendent.

WARD 1, PRECINCT 2.

Aldrich, Harrison, 23 Franklin street, produce broker.
Bowers, Frank H., 47 Franklin street, painter.
Burns, Samuel A., 77 Pearl street, milk driver.
Colgate, Charles H., 92 Glen street, extract manufacturer.
Davis, Charles S., 94 Pearl street, electrician.
Davis, Fred E., 85 Pearl street, bookkeeper.
Emerson, William J., 104 Broadway, boots and shoes.

Francis, Weston O., 16 Webster street, carpenter.
Griffin, George Ernest, 8 Rush street, clerk.
Joslin, Charles E., 33 Webster street, commission merchant.
Kincaid, John E., 74 Rush street, travelling salesman.
Knowles, Abbott L., 44 Webster street, bookkeeper B. & M. R. R.
Leonard, Eugene C., 107 Pearl street, ladies' tailor.
Lund, Harrington C., 16 Austin street, clerk.
Orton, Charles, 60 Cross street, paper hanger.
Perkins, Francis C., 81 Pearl street, salesman.
Plaisted, Harry F., 17 Franklin street, salesman.
Prichard, George W., 22 Cutter street, teamster.
Robinson, William F. S., 84 Pearl street, artist.
Saben, Edward E., 110 Pearl street, insurance.
Southworth, Edwin W., 13 Webster street, bookkeeper.
Starbird, George M., 102 Pearl street, carpenter.
Turner, William O., 85 Pearl street, bookkeeper.
Williams, Ernest P., 1 Hillside avenue, treasurer of The Williams Table & Lumber Co.

WARD 1, PRECINCT 3.

Ashworth, John, 104 Cross street, mechanical draughtsman.
Brigham, Charles A., 3 Dell street, salesman.
Carpenter, Reuben, 10 Fountain avenue, engraver.
Christie, James Walter, 11 Morton street, teamster.
Collins, Harvey G., 85 Washington street, blacksmith.
Craig, John W., 19 Franklin avenue, blacksmith.
Cushing, William E., 8 Dell street, clerk in P. O., Boston.
Fisher, Frederick L., 1 Washington street, travelling salesman.
French, Byron L., 36 Florence street, provisions.
Gale, John S., 6 Oliver street, machinist.
Galletly, Henry, 7 Franklin avenue, cordage manufacturer.
Greely, Fred L., 37 Florence street, salesman.
Hanson, Frederick L., 25½ Alston street, leather inspector.
Harris, George F., 39 Shawmut street, driver.
Hulsman, Chester R., 48 Florence street, collector.
Mann, Alfred E., 75 Washington street, undertaker.
Munroe, James, 91 Washington street, carpenter.
Nealley, Edwin F., 109 Glen street, salesman.
Philpot, Moses A., 10 Dell street, driver Boston Ice Company.
Printiss, George C., 48 Franklin street, carriage painter.
Ramsdell, Charles H., 53 Tufts street, real estate.
Rich, James P., 9 Pinckney street, agent.
Sargent, Arthur G., 14 Flint street, clerk.

Starbird, Everett G., 40 A Oliver street, carpenter.
Twitchell, Harvey E., 7 Fountain avenue, salesman.
Upton, Henry J., 45 Florence street, rubber worker.
Walker, Thomas G., 5 Dell street, foreman N. P. & P. Co.
Wilber, John F., 69 Franklin street, compositor.
Wood, Charles M., 118 Cross street, carriage woodwork.
Woodman, John O. H., 32 Tufts street, travelling salesman.

WARD 1, PRECINCT 4.

Anderson, Peter, 34 Joy street, teamster.
Bowen, Cornelius, 128 Linwood street, safe and machine mover.
Butler, John S., 113 Cross street, spice grinder.
Concannon, John H., 135 Linwood street, peddler.
Crimmings, Timothy F., 3 Maple street, teamster and contractor.
Cunningham, William F., 78 Washington street, foreman.
Donnelly, Henry P., 5 Joy street, plumber.
Donnelly, James H., 26 Joy street, foreman.
Dwyer, Edward, 159 Somerville avenue, marble worker.
Flaherty, James P., 12 Charles street, junk.
Gormley, Eugene, 19 Chestnut street, wholesale fruit dealer.
Haley, Thomas A., 93 Linwood street, barrels.
Harney, James H., 56 Joy street, clothing cutter.
Higgins, John, 38 Linwood street, dry goods.
Lawler, John, 53 Joy street, laborer.
Martis, Christopher, 42 Linwood street, cloth sponger.
McAvoy, Henry, 117 Somerville avenue, hacks to let.
McKenna, David W., 7 Chestnut street, peddler.
Moore, James R., 111 Medford street, teamster.
O'Connell, Michael, 35 Linwood street, grocer.
Read, Joseph, 103 Somerville avenue, laborer.
Travers, Robert J., 11 Joy place, helper.
White, Maurice J., 52 Linwood street, clerk.
Woods, Thomas S., 69 Joy street, carpenter.

WARD 2, PRECINCT 1.

Bailey, George T., 49 Putnam street, newsdealer and stationer.
Belt, Robert M., 11 Giles park, bookkeeper.
Bonner, William H., 20 Columbus avenue, car conductor.
Bowker, Frank P., 67 Walnut street, clerk.
Burgess, T. Waldo, 12 Grandview avenue, salesman.
Canfield, George I., 26½ Vinal avenue, clerk.

Cass, Lewis E., 33 A Bow street, lather.
Cook, Levi F. Jr., 9 Thorpe place, salesman.
Dale, George R., 73 Walnut street, clerk.
Ellis, Charles P., 13 Thorpe place, driver.
Follett, Melville C., 31 Hamlet street, salesman.
Griffin, Daniel J., 5 Summer street, travelling salesman.
Hatch, George G., 15 Greenville street, painter.
Heminway, Charles, 13 Walnut street, assistant bookkeeper.
Holt, Arthur C., 197 Washington street, architect.
Ingalls, Oscar G., 12 Monroe street, carpenter.
Jones, Melville F., 53 Walnut street, clerk.
Lawson, George W., 2 Lawson terrace, carpenter.
Mayo, Frank E., 42 Highland avenue, salesman.
Merrill, George H., 3 Walnut street, telegraph operator.
Onthank, Charles H., 47 Monroe street, provisions.
Perry, Irving S., 16 Pleasant avenue, broker.
Pilsbury, Fred J., 39 Boston street, grocer.
Pitman, Henry W., 77 Columbus avenue, journalist.
Rand, Homer E., 17 Putnam street, at National Des. Express Office
Rowe, Abram F., 47 Stone avenue, no occupation.
Sallaway, George H., 63 Putnam street, provisions.
Sampson, Alvin W., 44 Highland avenue, bookkeeper.
Stephenson, Thomas C., 13½ Summer street, printer.
Story, Joseph A., 40 Highland avenue, travelling salesman.
Thomas, John C., 46 Vinal avenue, no occupation.
Tilden, Robert C., 67 Columbus avenue, painter.
Vivian, James H., 210 Medford street, salesman.
Watson, Frank L., 21 Aldersey street, paints and oils.
Williams, George S., 29 Summer street, no occupation.
Wood, Charles H., 44 Stone avenue, clerk.

WARD 2, PRECINCT 2.

Bent, Thomas A., 120 Summer street, carpenter.
Blaisdell, Charles E., 25 Quincy street, machinist.
Blake, Charles M., 13 Preston street, newsdealer.
Brackett, Walter S., 16 Greene street, travelling salesman.
Breen, Thomas, 461 Somerville avenue, carpenter.
Brennan, Stephen, 70 Oxford street, mason and builder.
Broadhead, William H., 61 Summer street, electric supplies.
Cahill, Cornelius J., 18 Bow street, lather.
Carter, Thomas F., 32 Summer street, provisions.
Coburn, Frank I., 55 Bow street, clerk.

Conway, William F., 19 Laurel street, engraver Middlesex bleachery.
Copithorne, John, 81 School street, carpenter F. R. R.
Cross, John T., 65 Oxford street, salesman.
Dadmun, Henry H., 52 Oxford street, salesman.
Drake, James, 45 Berkeley street, carpenter.
Edmands, John B., 86 Avon street, stone ware manufacturer.
Foss, Isaac L., 48 Summer street, machinist.
Gilbert, Francis C., 29 Church street, hatter.
Grove, William L., 63 Avon street, bookkeeper.
Hanson, William J., 403 Somerville avenue, plumber.
Horton, Charles H., 101 School street, clerk.
Jordan, Edward E., 102 School street, draughtsman.
Keane, John A., 109 School street, piano tuner.
Keniston, Charles E., 357 Somerville avenue, machinist.
Lawson, Munroe C., 41 Bow street, carpenter.
Lincoln, Uriah R., 28 Summer street, carpenter.
Marshall, John A., 97 Oxford street, salesman.
Mayo, Timothy L., 108 Highland avenue, ship Chandler.
Nolan, John A., 26 Prescott street, glass blower, Union Glass Co.
Pierce, George B., 48 Quincy street, broker.
Prior, Charles W., 95 Summer street, electrician.
Rich, Samuel B., 48 Berkeley street, fish.
Row, Frederick W., 463 Somerville avenue, teamster.
Sibley, Elton S., 42 Oxford street, metal engraver.
Smith, Albert E., 11 Church street, cooper.
Solomon, William H., 12 Berkeley street, real estate.
Stevens, John A., 30 Church street, painter.
Teasdale, Charles, 86 School street, monuments.
Van Buskirk, Charles, 20 Prescott street, frame worker.
Weeks, Edwin, 48 Quincy street, mason.
Wheaton, William H., 355 Somerville avenue, steam fitter.
White, James, 12 Laurel street, dyer Middlesex Bleachery.
Yelland, Henry, 27 Oxford street, bottler.

WARD 2, PRECINCT 3.

Alden, Fred B., 26 Dane avenue, driver.
Anderson, Charles W., 54 Hanson street, laborer.
Armstrong, George D., 15 Dane street, expressman.
Arnold, E. Olney, 17 Carlton street, carpet cleaning.
Bedell, Charles E., 12 Carlton street, clerk.
Bradley, Dennis E., 303 Washington street, ornamenteer.
Brown, John H., 311 Washington street, painter.

Bucknam, Davis P., 12 Vine street, mason.
Cook, Franklin A., 468 Somerville avenue, carriage trimmer.
Cox, Thomas J., 84 Vine street, laborer.
Davis, George A., 6 Olive square, no occupation.
Dewire, Michael H., 399 Washington street, confectionery.
Evans, Oscar W., 54 Park street, foreman.
Evans, Patrick, 18 A Lake street, laborer, F. R. R.
Flynn, Dennis F., 67 Dane street, upholsterer.
Flynn, William H., 67 Dane street, real estate and insurance.
Guild, Julius J., 325 Washington street, provisions.
Irwin, James J., 41 Dane avenue, peddler.
Kellogg, Harley R., 1 Wyatt street, clerk.
Kingman, Samuel W., 44 Lake street, clerk.
Knowles, Thomas, 27 Tyler street, foreman.
Leavitt, Frank W., 468 Somerville avenue, carriage manufacturer and sale
and exchange stable.
Merrifield, John A., 11 Tower court, stoves.
Moore, James J., 45 Dane street, brass finisher.
Paine, Charles H., 11 New Church street, letter carrier.
Parsons, Charles F., 16 Park street, clerk.
Pratt, Edgar J., 10 Park street, tin plate worker.
Prescott, Russell, 28 Park street, carpenter.
Russell, Arthur J., 59 Vine street, printer.
Sampson, Leander, 9 Vine street, laborer.
Straight, William E., 356 Somerville avenue, carpenter.
Taylor, George E., 299 Washington street, salesman.
Thompson, Charles W., 27 Lake street, clerk.
Williamson, John F., 7 Tyler street, brass finisher.

WARD 2, PRECINCT 4.

Abbott, Alonzo F., 8 Concord avenue, clerk.
Barker, Thomas E., 15 Dimick street, coffin maker.
Bent, Charles E., rear 9 Marion street, carpenter.
Boyle, William E., 110 Concord avenue, grocer's clerk.
Bradley, Daniel, 19 Concord avenue, barrels.
Callow, John R., 88 Newton street, porter.
Clark, S. Adams, 11 Clark street, no occupation.
Daniels, Joseph, 93 Concord avenue, carpenter.
Dimick, Charles W., 122 Line street, manager.
Eaton, John M., 58 Springfield street, no occupation.
Fraser, Duncan A., 13 Hammond street, carpenter.
Geiling, Frederick A., 11 Houghton street, foreman at N. E. D. M. & W. Co.

Gordon, Arthur C., 56 Oak street, painter.
Harrington, George O., 7 Bolton street, clerk.
Holt, Edward M., 32 Springfield street, machinist.
Hunter, William H., 53 Springfield street, glass engraver.
Ireland, Edwin, 35 Webster avenue, car painter.
Lounsbury, George H., 46 Houghton street, bookkeeper.
Marshall, Charles E., 63 Concord avenue, clerk.
Morrison, D. Henry, 27 Springfield street, salesman.
Norris, Joseph C., 47 Oak street, steam fitter.
Page, George Amos, 21 Webster avenue, plumber.
Pendleton, Martin V. B., 63 Concord avenue, carpenter.
Purrington, Frederick A., 48 Dickinson street, collector.
Rines, Benjamin F., 3 Wyatt place, cooper.
Rohrbacher, Albert L., 4 Bolton street, iron moulder.
Snow, Joshua A., 54 A Beacon street, fish dealer.
Spencer, George, 39 Houghton street, cabinet maker.
Stevens, Oliver A., 46 Beacon street, engineer, Globe building.
Tarbox, French O. J., 60 Oak street, steam fitter.
Teakles, Frank R., 27 Concord avenue, carpenter.
Vincent, Francis X., 97A Prospect street, printer.
White, Christopher J., 9 Concord avenue, clerk.

WARD 2, PRECINCT 5.

Allen, Hiram, 230 Washington street, music teacher.
Ames, Nathan W., 20 Webster avenue, no occupation.
Baker, Roger H., 9 Bedford street, cooper.
Barker, Lewis J., 212 Norfolk street, teamster.
Bean, Enoch T., 41 Prospect street, clerk.
Blaskovec, Frank, 240 Columbia street, cabinet maker.
Brown, Francis S., 234 Washington street, cooper and hoseman.
Chambers, John, 19 Linden street, elevator man.
Evans, Francis W., 32 Prospect street, teamster.
Evans, Henry, 11 No. Wyatt street, teamster.
Fisher, Emery B., 110 Prospect street, clerk, P. O., Boston.
Foster, Harlan E., 17 Everett street, carpenter.
Fox, John, 283 Somerville avenue, laborer.
Furlong, Walter P., 2 Taylor place, teamster.
Holden, John, 76 Prospect street, produce.
Judge, Daniel, 22 Rossmore street, laborer.
Kearney, Edward S., 6 Charlestown street, clerk.
Kelley, Timothy J., 17 Merriam street, clerk.
Leonard, Thomas J., 126½ Tremont street, laborer.

Muldoon, Thomas F., 208 Somerville avenue, blacksmith.
Newcomb, Everett D., 28 Webster avenue, boots and shoes.
Phillips, Bernard C., 8 Charlestown street, glass cutter.
Reardon, Thomas F., 34 Rossmore street, barrels.
Staples, Mendall G., 42 Prospect street, teamster.
Watson, George B., 204 Somerville avenue, foreman tin shop.
Weiss, Charles, 258 Somerville avenue, foreman N. E. D. M. & W. Co.
White, Dougal, 190 Somerville avenue, laborer.
Wood, Charles, 234 Washington street, locksmith.
Wright, Frank E., 28 Allen street, machinist.

WARD 3, PRECINCT 1.

Abbott, Charles O., 133 Pearl street, contractor and builder.
Aldrich, Francis S., 246 Broadway, moulder.
Brown, Frank A., 12 Otis street, hairdresser.
Bryant, Thomas H., 6 Edmands street, receiving clerk.
Burbank, Monroe A., 9 Autumn street, butter and cheese.
Butler, James H., 40 Gilman street, school furniture.
Byam, Augustus B., 7 Melvin street, soap manufacturer.
Clark, Cyrus D., 30 Everett avenue, sexton Perkins Street Baptist Church.
Clark, George W., 174 Pearl street, groceries and provisions.
Coan, Francis E., 156 Pearl street, stair builder.
Coffin, Winslow W., 186 Broadway, real estate and insurance.
Condit, Sears, 255 Medford street, hatter.
Cullin, Edwin, 222 Broadway, wholesale provisions.
Curran, Reuben L., 25 Wesley street, foreman cabinet maker.
Daniels, Theodore P., 137 Pearl street, showcase maker.
Davis, George M., 20 Arthur street, mason and builder.
Flanders, Gilman P., 8 A Melvin street, clerk.
Furbush, Richard R., 18 Autumn street, clerk.
Gage, Moses H., 9 Montgomery avenue, watchman.
Glines, George G., 21 Auburn avenue (Glines & Co. Express).
Googins, A. Eugene, 8 Montgomery avenue, gold plater.
Hager, Arvine, 19 Edmands street, milk dealer.
Hanson, Fred H., 9 Melvin street, baker.
Harvey, Henry E., 17 Wellington avenue, teamster.
Hodgman, Augustus, 8 New Cross street, collector.
Hopkins, Charles O., 212 Broadway, bookkeeper.
Horton, Calvin, 26 Everett avenue, contractor.
Jerauld, Horace D., 14 Chester avenue, no occupation.
Junkins, Horace A., 70 Flint street, clerk.
Kendall, John, 64 Bonair street, teamster.

Knowles, Zoeth R., 62 Bonair street, shipper.
 Look, George L., 14 Arthur street, painter.
 Loring, Edward D., 5 Cross street, mason.
 Martin, John W., 16 Montgomery avenue, gilder.
 Merrill, David M., 186 Broadway, collector, Driver's Union Ice Co.
 Moore, Melzer C., 8 Arthur street, provisions.
 Nickerson, Herbert P., 9 Edmands street, salesman.
 Nickerson, John D., 5 Wellington avenue, clerk.
 Perkins, G. Henry, 14 Arthur street, insurance.
 Prichard, Charles E., 145 Walnut street, salesman.
 Robbins, Joseph, 1 Gilman terrace, architect.
 Smiley, Warren N., 41 Bonair street, cabinet maker.
 Spear, John M., 203 Broadway, milkman.
 Stillings, Rufus, 23 Arthur street, printer.
 Stone, Edward F., 7 Wellington avenue, clerk.
 Stuart, Lewis R., 21 Delaware street, variety store.
 Tucker, Nathaniel W., 24 Auburn avenue, plumber.
 Underhill, Jesse J., 17 Gilman street, coal and wood.
 Van Ness, Charles H., 13 Garfield avenue, conductor, W. E. St. Ry. Co.
 White, Frank H., 14 Montgomery avenue, map mounter.
 Whiton, George F., 20 Otis street, leather.
 Wing, Charles H., 234 Broadway, restaurant.

WARD 3, PRECINCT 2.

Atwood, Benjamin R., 49 Temple street, bookkeeper.
 Ayer, John F., 17 Walter street, lumber and wood.
 Babb, Nathaniel F., 193 School street, salesman.
 Barnard, Thomas L., 11 Grant street, fish.
 Bean, Gerard D., 9 Bradford avenue, bookkeeper.
 Bryant, John E., 24 Grant street, undertaker.
 Burbank, Winfield S., 2 Jaques street, sawdust.
 Card, Frederick L., 243 Pearl street, provisions.
 Chase, Charles C., 32 Grant street, bookkeeper.
 Cheney, Frederick E., 13 Oakland avenue, grocer.
 Currier, Samuel E., 9 Howe street, real estate and insurance.
 Davis, Albert M., 16 Chauncey avenue, teamster.
 Doe, Freeland A., 39 Temple street, cabinet maker.
 Dresser, George H., 193 School street, superintendent.
 Dunklee, Daniel D., 9 Oakland avenue, stoves and furnaces.
 Dusseault, John H., 22 Mills street, ornamental carver.
 Fuller, Frank A., 3 Sargent avenue, carpenter.
 Furbush, George E., 154 Walnut street, lard renderer.

Hall, Charles A., 44 Chauncey avenue, provisions.
Kendall, Isaac B., 338 Broadway, insurance agent.
Lovering, George H., 18 Chauncey avenue, grocer.
Marble, Benjamin, 54 Derby street, clerk.
Mayhew, Edgar T., 14 Oakland avenue, assistant city assessor.
Miles, Charles H., 37 Sewall street, cigar manufacturer.
Mills, George W., 26 Grant street, leather.
Milliken, Frank R., 12 Chauncey avenue, truckman.
Nelson, Jesse L., 10 Sargent avenue, carriage manufacturer.
Nickerson, Alvano T., Jr., 334 Broadway, clerk.
Norwood, Frank B., 6 Stickney avenue, builder.
Palmer, Edwin F., 261 A Broadway, painter.
Preston, Fred, 51 Jaques street, milk dealer.
Rawson, James, 24 Marshall street, house painter.
Raymond, Marcus M., 37 Jaques street, no occupation.
Sanborn, Charles H., 223 School street, steam heating.
Sanborn, William A., 60 Chauncey avenue, brick manufacturer.
Snow, Walter H., 42 Derby street, groceries and provisions.
Spike, Daniel R., 296 Broadway, janitor, Odd Fellows block.
Thompson, Joseph M., 66 Marshall street, collector.
Underhill, Charles L., 7 Bradley street, carriage repairing and steel specialties.
Wild, B. Frank, 241 School street, coal.
Woodbury, Frederick A., 43 Marshall street, boots and shoes.

WARD 3, PRECINCT 3.

Adams, Charles W., 117 Highland avenue, jeweler.
Avery, John, 22 Dartmouth street, produce.
Bacon, Oliver, 19 Pembroke street, clerk.
Beals, Henry M., 200 Central street, no occupation.
Carr, Albert E., 157 Central street, clerk at American Express office.
Churchill, Algernon H., 10 Thurston street, superintendent.
Clough, Edward H., 7 Maple avenue, carriage painter.
Dearborn, Luther G., 169 Sycamore street, coffee.
Desmond, Daniel W., 1 Montrose street, real estate and mortgages.
Field, Orton D., 98 Jaques street, salesman.
Fisher, Arthur V., 62 Evergreen avenue, agent.
Fisk, Ellsworth, 44 Heath street, clerk.
Fisk, Mark, 44 Heath street, travelling salesman.
Foote, Edward H., 138 Sycamore street, pickles.
Fuller, Orlando H., 148 School street, clerk.
Gage, Burt O., 38 Dartmouth street, engineer.

Grieves, Walter F., 91 Thurston street, clerk.
Griffin, Augustus P., 22 Richdale avenue, salesman.
Hall, William F., 345 Broadway, accountant.
Hanson, Harvey R., 73 Jaques street, electrician.
Harlow, George H., 7 Adams street, salesman.
Hatch, Arthur W., 190 School street, grocer.
Hatch, Frederick A., 77 Jaques street, teamster.
Hathaway, Henry C., 12 Pembroke street, painter.
Hubbard, Curtis A. L., 22 Fremont street, clerk.
Hunt, Cassius, 218 School street, fish.
Irish, Thaddeus P., 3 Dartmouth street, bookkeeper.
Kennard, John F., 5 Dartmouth street, salesman.
Lailer, Charles O., 369 Medford street, salesman.
Littlefield, Samuel T., 321 Broadway, no occupation.
Lovejoy, Benjamin P., 141 Highland avenue, furnaces.
Mansfield, Daniel E., 46 Montrose street, salesman.
Mayhew, Josiah B., 2 Thurston street, carriage woodwork.
Mosher, Frederick A., 87 Sycamore street, wood moulder.
Osgood, Willard F., 41 Heath street, clerk.
Powers, Luray C., 14 Moreland street, saw manufacturer.
Rines, Samuel, 72 Jaques street, teamster.
Schepmoes, Joseph S., 5 Tennyson street, printer.
Sears, Eben, 25 Dartmouth street, boiler inspector.
Simes, Charles F., 53 Dartmouth street, superintendent.
Spinney, Leonard C., 45 Tennyson street, upholsterer.
Vreeland, Edward B., 121 Central street, wood, coal, hay, grain, etc.
Webber, Orrin H., 88 Jaques street, carpenter.
Wentworth, Frank H., 350 Broadway, salesman.
White, J. Harvey, 411 Broadway, produce.
Wildes, Manfred H., 194 Central street, furniture.
Willey, Clarence H., 26 Dartmouth street, hay, etc.

WARD 3, PRECINCT 4.

Alley, Charles S., 149 Hudson street, building material, etc.
Andrews, John, 34 Albion street, agent.
Armstrong, Thomas W., 39 Partridge avenue, sawyer, Am. Tube Works.
Baldwin, Arthur C., 29 Albion street, clerk.
Belding, Oscar H., 62 Hudson street, carpenter.
Booth, Charles, 563 Broadway, coal and wood.
Brown, Charles E., 36 Albion street, carpenter.
Butman, Rolla J., 438 Broadway, clothing cutter.
Carpenter, Lewis J., 3 Centre street, metal spinner.

Coffin, Edward B., 94 Albion street, real estate, insurance and mortgages.
Dawson, Howard, 67 Albion street, clerk.
Eaton, William R., 241 Highland avenue, confectioner.
Elliott, George E., 103 Jenny Lind avenue, grocer.
Gray, Henry, 65 Murdock street, teamster.
Griffiths, William F., 101 Vernon street, butter and eggs.
Hale, C. Warner, 90 Central street, tailor.
Hands, Frederick W., 38 Albion street, watchmaker.
Heintz, George, 36 Hudson street, undertaker.
Hicks, Arthur T., 13 Robinson street, caterer.
Higgins, Frederick W., 75 Hudson street, salesman.
Jones, William P., 50 Vernon street, reporter, Somerville Journal.
Keeler, Charles W., 128 Central street, bookkeeper.
Leavitt, George W., Jr., 49 Jenny Lind avenue, clerk.
Little, John K., 93 Hudson street, bookkeeper.
Lorentzen, Henry, 18 Waldo street, lock expert.
Miller, Charles N., 87 Jenny Lind avenue, confectioner.
Peirce, Abner F., 26 Bartlett street, salesman.
Porter, Frank E., 69 Partridge avenue, bookkeeper.
Pratt, Ransom D., 76 Albion street, advertising agent.
Prime, George W., 78 Partridge avenue, painter.
Richardson, Homer L., 88 Albion street, compositor.
Richardson, James H., 28 Bartlett street, poultry.
Ridler, Parker, 37 Ames street, salesman.
Robie, Albert E., 60 Vernon street, clerk.
Shaw, William H., 92 Central street, clerk.
Stacy, George W., 14 Albion street, clerk.
Thacher, Cyrus, 15 Albion street, produce.
Thurgood, Augustus, 42 Hudson street, salesman.
Webber, Edward O., 79 Partridge avenue, rubber worker.
White, Joseph A., 150 Hudson street, carpenter.
Williams, Frank G., 37 Albion street, milk dealer and livery stable.
Wilson, John R., 60 Albion street, carpenter.

WARD 4, PRECINCT 1.

Ayer, Fred C., 160 Highland avenue, lumber and wood.
Beckwith, George C., 13 Brastow avenue, mechanical engineer.
Black, Bernard, 632 Somerville avenue, dyer Middlesex Bleachery.
Bowie, David, 11 Belmont street, machinist.
Buckley, Patrick, 31 Porter street, furniture manufacturer.
Caples, Philip, 42 Craigie street, butter, etc.
Chabot, Joseph W., 15 Park street, safe maker.

Chase, Charles D., 18 Ivaloo street, engineer.
Clark, Isaac H., 49 Brastow avenue, mechanical engineer.
Colby, Luther, 217 Beacon street, janitor Durell School.
David, James B., 78 Belmont street, no occupation.
De Coster, Verin, 43 Lowell street, salesman.
Dervan, William B., 8 Spring street, clerk.
Driscoll, Martin E., rear 7 Bleachery court, painter.
Egerton, Wales L., 61 Beach street, no occupation.
Flagg, Charles A., 24 Gibbens street, salesman.
Foster, Henry, 23 Park street, bookbinder.
Fulton, David, 4 Spring court, calenderer Middlesex Bleachery.
Gale, Charles, 10 Brastow avenue, cabinet maker.
Gibby, Robert H., Jr., 26 Mondamin court, coppersmith.
Good, Thomas, 30 Brastow avenue, salesman.
Gordon, George A., 54 Belmont street, agent.
Haley, Dennis, 27 Belmont street, machinist.
Hathaway, Charles B., 17 Park street, bookbinder.
Holmes, Charles A., 263 Beacon street, stoves and plumbing.
Holt, Harry, 91 Porter street, carpenter.
Joy, Alden B., 20 Belmont street, carpenter.
Kelley, Charles A., 9 Brastow avenue, clerk.
Loomer, Burpie M., 11 Morgan street, clerk.
Loveland, Henry, 2 Cypress street, painter.
Lynch, James B., 571 Somerville avenue, boot and shoe maker.
Mongan, Manasses P., 1 Garden court, salesman.
Nichols, John L., Westwood road, wharfinger.
Peake, Benjamin W., 62 Central street, clerk.
Peckham, George W., 17 Cambria street, real estate.
Prindle, James D., 179 Summer street, provisions.
Proctor, Amos L., 54 Spring street, groceries and provisions.
Pushee, John C., 22 Harvard place, brush manufacturer.
Quinlan, John J., 607 Somerville avenue, trunk maker.
Robinson, Francis H., 36 Beach street, clerk.
Wall, William E., 14 Morgan street, grainer.

WARD 4, PRECINCT 2.

Berry, Charles M., 14 Miller street, provisions.
Binney, Martin, 9 Linden place, claim agent.
Bucknam, William E., 341 Beacon street, mason.
Bunten, Frederick R., 38 Cherry street, feather duster manufacturer.
Chase, George H., 45 Cherry street, salesman.
Clark, Frederick E., 10 Cedar street, clerk.

Crawford, J. Arthur, 19 Eastman place, carpenter.
Currier, James H., 9 Mossland street, manager.
Dawes, Henry L., 8 Ashland street, confectioner.
Dyer, Henry H., 32 Elm street, cigars.
Finnon, James R., 36 Porter street, plumber.
Fisher, John, 26 Hancock street, printer.
Foster, Jacob, 10 Mossland street, carpenter.
Friend, Frederick W., 22 Hancock street, plasterer.
Gordon, Ormando D., Wilson avenue, carpenter.
Gurnham, Thomas, 36 Hancock street, periodicals.
Hayward, Waldo B., 21 Cherry street, clerk.
Hayward, Wales A., 21 Cherry street, no occupation.
Jones, Enoch B., 13 Hall street, painter.
Keefe, William M., 52 Cedar street, milk.
Kennedy, Patrick F., 39 Linden avenue, foreman.
Lacy, Patrick, 63 Cherry street, mason.
Libby, George H., 10 Ashland street, upholsterer.
Locke, John A., 78 Cedar street, carpenter.
Lynch, William, 33 Cedar street, no occupation.
McDonald, William M., 70 Cedar street, wholesale beef.
McFarland, Chester S., 21 Cedar street, commission merchant.
Mink, Louis, 85 Elm street, no occupation.
Niles, James H., 4 Fairlee street, meats.
Nye, Thomas V. B., 51 Cedar street, salesman.
Osborn, Edgar W., 86 Porter street, clerk.
Parsons, John T., 95 Lexington avenue, elevator builder.
Randall, Lewis H., 28 Forest street, no occupation.
Ross, William M., 22 Fanning avenue, grainer.
Sennott, Samuel, 759 Somerville avenue, mason.
Shattuck, Elwyn H., 75 Harris street, metal spinner.
Skelton, Daniel J., 10 Burnside avenue, carpenter.
Stevens, John E., 7 Linden avenue, painter.
Twycross, Samuel G. A., 36 Elm street, foreman.
Wanamaker, James W., 5 Burnside avenue, plasterer.
Young, Willis A., 49 Cedar street, carpenter and builder.

WARD 4, PRECINCT 3.

Armington, J. Russell, 226 Elm street, insurance agent.
Attwood, J. Lorenzo, 18 Herbert street, bookkeeper Mt. Auburn Cemetery.
Bacon, M. Clinton, 27 Chester street, coal and wood.
Berton, John F., 403 Highland avenue, painter.
Bowman, Sumner E., 26 Dover street, mason.

Cammon, J. Albert, 398 Highland avenue, clerk.
Chapin, Hiram O., 44 Dover street, commission merchant.
Crosskill, Nelson, 402 Highland avenue, general manager Auger Chemical Co.
Davenport, Foster L., 15 Gore street, shipper.
Edgett, Reuben, 7 Francesca avenue, carpenter.
Flanders, Albert F., 16 Day street, manager.
Flitner, Arthur D., 38 Day street, bookkeeper.
Flitner, George J., 1 Clifton street, wool grader.
Friend, William H., 47 Dover street, salesman.
Gilman, John W., 14 Clifton street, salesman.
Gilman, William E., 44 Chester street, sheep-skins.
Hall, Albert A., 64 Willow avenue, accountant.
Hancock, Robert A., 163 Elm street, hostler.
Hobart, Franklin A., 18 Francesca avenue, foreman.
Honnors, John P., Jr., 371 Summer street, shipper.
Kelsea, Josiah E., 233 Elm street, furniture and piano moving.
Lacount, Eugene D., 34 Day street, bedding.
Leman, Francis H., 50 Morrison street, artist.
Lowell, Charles W., 45 Kidder avenue, commission merchant.
MacNeil, John, 60 Winslow avenue, carriage builder.
Makechnie, Ernst H., 238 Elm street, teacher of violin.
Nash, Alfred T., 232 Elm street, receiving clerk.
Orrill, Arthur W., 43 Morrison street, clerk.
Owens, John W., 373 Elm street, at Fibre Co., N. Cambridge.
Perry, Oliver H., 373 Elm street, real estate.
Philbrick, Charles S., 50 Morrison street, no occupation.
Puffer, David, Jr., 24 Hall avenue, produce.
Rolfe, Frank A., 30 Dover street, dry goods.
Snow, William A., 17 Francesca avenue, ornamental iron.
Ward, Benjamin A., 12 Mason avenue, tailor.

WARD 4, PRECINCT 4.

Bickford, Frank W., 76 Curtis street, carpenter and builder.
Bickford, Frederick H., 44 Irving street, carpenter.
Chamberlin, Russell T., 7 Winter street, real estate.
Comee, Edgar F., 54 Chandler street, travelling salesman.
Cosgrove, Charles M., 31 Ware street, clerk.
Cummings, George W., 51 Wallace street, driver.
Cushing, Samuel B., 20 Ware street, broker.
Darling, Charles S., 20 Gorham street, whip manufacturer.
Dolbear, Clinton E., 134 Professors' row, electrical engineer.
Drinkwater, Frank M., 872 Broadway, clerk.

Earle, Charles A., 87 Irving street, boots and shoes.
Eastman, James B., 38 Chandler street, grocer.
Fales, Wyman E., 44 Wallace street, salesman.
Gaffney, William H., 13 Elmwood street, fish market.
Garcelon, Herbert I., 2 William street, student.
Goddard, Edward A., Jr., 55 Irving street, clerk.
Greer, George M., 41 Moore street, shipper.
Hall, Winfield W., 32 Thorndike street, furniture, stoves, etc.
Hamill, Samuel S., 356 Elm street, organ builder.
Holt, Albert, 7 Kenwood street, produce.
Huntress, Franklin E., 324 Elm street, iron.
Jansson, Augustus L., 102 Wallace street, travelling salesman.
King, William L., 16 Kenwood street, bookkeeper.
Lamont, George D., 13 Conwell avenue, provisions.
Le Cain, Joseph J., 5 Elmwood street, real estate.
Libbey, Leonard M., 10 Elmwood street, variety store.
Lincoln, Frank E., 17 Endicott avenue, lunch room.
Lockhart, Charles H., 352 Elm street, undertaker.
Mead, Adelbert F., 78 Chandler street, bookkeeper.
Merrill, Frank E., 47 Fairmount avenue, clerk.
Merry, Arthur L., 41 Dover street, clerk.
Murphy, Stephen F., 372 Elm street, buyer.
Nickles, James W., 14 William street, salesman.
Owen, Charles A., 36 Conwell avenue, clerk.
Paine, Robert S., 382 Elm street, bookkeeper.
Richardson, Benjamin H., 102 Curtis street, clerk.
Russell, Eugene L., 1196 Broadway, clerk.
Russell, George J., 235 Holland street, boots and shoes and groceries.
Seabury, Ovid A., 74 Chandler street, patent medicines.
Stearns, Phineas, 340 Elm street, no occupation.
Stevens, Charles L., 33 Wallace street, groceries and provisions.
Teele, Frank A., 1139 Broadway, coal and wood, real estate and insurance.
Teele, F. Warren, rear 33 Curtis street, electrical engineer.
Teele, Samuel F., 73 Curtis street, farmer.
Torrey, Arthur R., 8 Campbell park, real estate.
True, Harry A., 140 Holland street, real estate and assistant city assessor.
Weissbach, Joseph, Electric avenue, rear 33 Curtis street, bookkeeper.

C

CITY GOVERNMENT AND OFFICERS
FOR 1896.

CITY GOVERNMENT AND OFFICERS FOR 1896.

MAYOR.

ALBION A. PERRY,
366 Broadway.

BOARD OF ALDERMEN.

WARD ONE.

L. HERBERT HUNTLEY	1 Pearl street
JOSIAH N. PRATT	33 Franklin street

WARD TWO.

MELVILLE D. JONES, <i>President</i>	53 Walnut street
ROBERT S. WRIGHT	11 Summit avenue

WARD THREE.

LEONARD B. CHANDLER	45 Jaques street
JAMES M. ANDREWS	172 Broadway

WARD FOUR.

WILLIAM H. BERRY	39 Cherry street
HOWARD D. MOORE	1 Kenwood street

CLERK.

GEORGE I. VINCENT.

COMMON COUNCIL.

WARD ONE.

FRANK DEWITT LAPHAM	3 Hathorn street
FRANK B. BURROWS	29 Mystic avenue
JOHN HUNNEWELL	48 Pearl street
L. EDGAR TIMSON	41 A Franklin street

WARD TWO.

GEORGE E. WHITAKER, <i>President</i>	19 A Greenville street
WILLIAM M. IRVING	82 Summer street
RICHARD A. RUSSELL	23 Putnam street
FRENCH O. J. TARBOX	60 Oak street

WARD THREE.

ANDREW A. LAMONT	43 Heath street
ARTHUR W. BERRY	53 Hudson street
HOWARD LOWELL	46 Gilman street
MARCUS M. RAYMOND	37 Jaques street

WARD FOUR.

JOHN N. BALL	690 Broadway
FRED M. CARR	74 Craigie street
SILAS L. CUMMINGS	251 Elm street
ALBERT L. REED	336 Beacon street

CLERK.

CHARLES S. ROBERTSON.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

ACCOUNTS.—Aldermen Chandler and Wright; Councilmen Ball, Burrows and Raymond.

CITY ENGINEERING.—Aldermen Berry and Jones; Councilmen Timson, Berry and Cummings.

CLAIMS.—His Honor, the Mayor, Alderman Moore; the President of the Common Council, Councilmen Lapham and Lamont.

FINANCE.—His Honor, the Mayor, Aldermen Moore and Jones; the President of the Common Council, Councilmen Hunnewell, Carr, Lowell and Russell.

FIRE DEPARTMENT.—Aldermen Huntley and Wright; Councilmen Lamont, Irving and Reed.

FUEL AND STREET LIGHTS.—Aldermen Wright and Chandler; Councilmen Carr, Raymond and Timson.

HIGHWAYS.—Aldermen Berry and Andrews; Councilmen Lapham, Ball and Tarbox.

LEGISLATIVE MATTERS.—His Honor, the Mayor, Alderman Moore; the President of the Common Council, Councilmen Lowell and Timson.

ORDINANCES.—Aldermen Wright and Chandler; Councilmen Burrows, Carr and Tarbox.

PRINTING.—Aldermen Andrews and Moore; Councilmen Irving, Lamont and Hunnewell.

PUBLIC GROUNDS.—Aldermen Pratt and Jones; Councilmen Lowell, Lapham and Reed.

PUBLIC PROPERTY.—Aldermen Chandler and Pratt; Councilmen Cummings, Berry and Russell.

SOLDIERS' RELIEF.—Aldermen Jones and Andrews; Councilmen Tarbox, Burrows and Ball.

WATER.—Aldermen Huntley and Wright; the President of the Common Council, Councilmen Reed and Raymond.

STANDING COMMITTEES OF THE BOARD OF ALDERMEN.

ELECTIONS AND RETURNS.—Aldermen Pratt, Andrews and Berry.

ENROLLED ORDINANCES AND RESOLUTIONS.—Aldermen Chandler, Berry and Pratt.

LICENSES.—Aldermen Moore, Huntley and Jones.

POLICE.—His Honor, the Mayor, Aldermen Andrews and Huntley.

SEWERS.—Aldermen Jones, Moore and Pratt.

SPECIAL BUILDING PERMITS.—Aldermen Berry and Huntley.

STATE AID.—Aldermen Berry, Chandler, Wright and Pratt.

STANDING COMMITTEES OF THE COMMON COUNCIL.

ELECTIONS AND RETURNS.—Councilmen Russell, Cummings and Lowell.

ENROLLED ORDINANCES AND RESOLUTIONS.—Councilmen Berry, Hunnewell and Irving.

SCHOOL COMMITTEE.

ALBION A. PERRY, Mayor, *Chairman, ex officio.*

GEORGE E. WHITAKER, President of the Common Council, *ex officio.*
(Term, three years.)

WARD ONE.

S. NEWTON CUTLER (elected 1894).

SANFORD HANSCOM, M. D. (elected 1893).

GEORGE S. POOLE (elected 1895).

WARD TWO.

THOMAS M. DURELL, M. D. (elected 1893).

ALVAH B. DEARBORN, M. D. (elected 1894).

HERBERT A. CHAPIN (elected 1895).

WARD THREE.

QUINCY E. DICKERMAN (elected 1895).

THOMAS S. WENTWORTH (elected 1893).

FRANK H. HARDISON (elected 1894).

WARD FOUR.

GILES W. BRYANT, M. D. (elected 1895).

MARTIN W. CARR (elected 1893).

GEORGE A. MILES, M. D. (elected 1894).

GORDON A. SOUTHWORTH, *Superintendent and Secretary.*

ANNUAL REPORTS.

ASSESSORS.

(Term, three years.)

BENJAMIN F. THOMPSON, *Chairman* (term expires 1896).

SAMUEL T. RICHARDS (term expires 1898).

NATHAN H. REED (term expires 1897).

Clerk of Assessors, ALBERT B. FALES.

ASSISTANT ASSESSORS.

(Term, one year.)

WARD ONE.

FRED. B. CLAPP.

WARD TWO.

CHARLES C. FARRINGTON.

WARD THREE.

EDGAR T. MAYHEW.

WARD FOUR.

HARRY A. TRUE.

BOARD OF HEALTH.

(Term, three years.)

ALLEN F. CARPENTER, *Chairman* (term expires 1897).

ALVAH B. DEARBORN, M. D. (term expires 1898).

ALVANO T. NICKERSON, *Chairman* (term expires 1899).*Clerk*, WILLIAM P. MITCHELL.*Inspector*, CALEB A. PAGE.*Superintendent Collection of Ashes and Offal*, GEORGE W. S. HUSE.

OVERSEERS OF THE POOR.

Office, Police Building, Bow street.

ALBION A. PERRY, Mayor, *Chairman, ex officio.*

(Term, four years.)

EDWARD B. WEST, *President* (term expires 1899).

ALBERT W. EDMANDS (term expires 1897).

HERBERT E. MERRILL (term expires 1898).

EZRA D. SOUTHER (term expires 1896).

Agent, CHARLES C. FOLSOM.

Secretary, CORA F. LEWIS.

SOMERVILLE MYSTIC WATER BOARD.

Office, Prospect street, corner Somerville avenue.

(Term, three years.)

GEORGE D. WEMYSS, *President* (term expires 1897).

5 Austin street.

GEORGE A. KIMBALL (term expires 1898).

33 Warren avenue.

WILLIAM FRANKLIN HALL (term expires 1899).

345 Broadway.

NATHANIEL DENNETT, *Supt. Water Works.*

FRANK E. MERRILL, *Clerk.*

REGISTRARS OF VOTERS.

(Term: City Clerk, one year; other members, three years.)

CROMWELL G. ROWELL, *Chairman* (term expires 1897).

CHARLES P. LINCOLN (term expires 1898).

CHARLES E. PARKS (term expires 1899).

GEORGE I. VINCENT, *City Clerk.*

TRUSTEES OF THE PUBLIC LIBRARY.

(Term, three years.)

CHARLES S. LINCOLN, *Chairman* (term expires 1897).

CHARLES A. WEST (term expires 1898).

JOHN B. VIALI (term expires 1899).

J. HENRY FLITNER (term expires 1898).

CHRISTOPHER E. RYMES (term expires 1897).

ELIJAH C. CLARK (term expires 1898).

CHARLES H. BROWN (term expires 1897).

J. FRANK WELLINGTON (term expires 1899).

CHARLES W. SAWYER (term expires 1899).

JOHN S. HAYES, *Librarian and Secretary*.

CITY CLERK AND CLERK OF BOARD OF ALDERMEN.

GEORGE I. VINCENT.

CITY TREASURER AND COLLECTOR OF TAXES.

JOHN F. COLE.

MESSENGER TO CITY COUNCIL.

JAIRUS MANN.

CITY SOLICITOR.

SELWYN Z. BOWMAN.

CITY AUDITOR.

CHARLES S. ROBERTSON.

CITY ENGINEER.

ERNEST W. BAILEY.

CONSULTING ENGINEER.

GEORGE A. KIMBALL.

SUPERINTENDENT OF STREETS

JOHN P. PRICHARD.

INSPECTOR OF BUILDINGS AND SUPERINTENDENT OF
PUBLIC BUILDINGS.

FREDERICK C. FULLER.

CHIEF OF POLICE.

MELVILLE C. PARKHURST.

CHIEF ENGINEER OF THE FIRE DEPARTMENT.

JAMES R. HOPKINS.

SUPERINTENDENT OF ELECTRIC LINES AND LIGHTS

LEIGHTON W. MANNING.

CITY PHYSICIAN.

ALVAH B. DEARBORN, M. D.

INSPECTOR OF MILK AND VINEGAR.

CHARLES S. PHILBRICK.

INSPECTOR OF ANIMALS AND PROVISIONS.

CHARLES M. BERRY.

SEALER OF WEIGHTS AND MEASURES.

AMMIEL COLMAN (died March 6).
LUTHER B. PILLSBURY (appointed March 11).

CLERK OF COMMITTEES.

WILLIAM P. MITCHELL.

CLERK OF ASSESSORS.

ALBERT B. FALES.

Suitable Persons to Cause to be Properly Interred the Bodies of
Honorably Discharged Soldiers, Sailors, and Marines,
Under Chapter 395, Acts of 1889.

JAMES F. DAVLIN.
JOHN H. DUSSEAUT.

CONSTABLES.

JAIRUS MANN.	MELVILLE C. PARKHURST.
ROBERT R. PERRY.	WILLIAM D. HAYDEN.
CHARLES C. FOLSOM.	JOSEPH J. GILES.
EDWARD McGARR.	DENNIS KELLEY.
CHRISTOPHER C. CAVANAGH.	CHARLES L. ELLIS.
EUGENE A. CARTER.	CLARENCE TUCKER.
PATRICK J. GARVIN.	GEORGE H. CARLETON.

FENCE VIEWERS.

LAMBERT M. MAYNARD. AMMIEL COLMAN (died March 6).

MEASURER OF WOOD AND BARK.

SAMUEL T. LITTLEFIELD.

MEASURERS OF GRAIN.

JOHN CRAIG.
ALBERT C. LYMAN.

PUBLIC WEIGHER IN CHARGE OF CITY SCALES, UNION
SQUARE.

FULTON O'BRION.

WEIGHERS OF COAL.

JOHN CRAIG.
 GEORGE K. WALCOTT.
 CHARLES H. TUCKER.
 GEORGE E. SLACK.
 ROBERT A. YERXA.
 FRANK A. TEELE.
 THOMAS K. MARTIN.

D. WARNER DANFORTH.
 THADDEUS HARRINGTON.
 CLINTON E. SOMES.
 SIDNEY E. HAYDEN.
 IRWIN L. SMITH.
 SUMNER M. TEELE.
 CHARLES P. BRANN.

WEIGHERS OF BEEF.

D. WARNER DANFORTH.
 CHARLES H. TUCKER.
 FREDERICK A. GEILING.
 CLARENCE EDWARDS.
 THOMAS K. MARTIN.

THADDEUS HARRINGTON.
 GEORGE K. WALCOTT.
 GEORGE E. SLACK.
 CLINTON E. SOMES.
 EDWARD M. WHEELER.

POLICE DEPARTMENT.

MELVILLE C. PARKHURST, <i>Chief</i> .	
ROBERT R. PERRY, <i>Captain</i> .	EDWARD McGARR, <i>Sergt.</i>
CHRIS. C. CAVANAGH, <i>Sergt.</i>	DENNIS KELLEY, <i>Sergt.</i>
EUGENE A. CARTER, <i>Sergt.</i>	PHINEAS W. SKINNER.
JOHN E. FULLER.	SAMUEL A. BROWN.
ALBION L. STAPLES.	JOHN HAFFORD.
JUDSON W. OLIVER.	GEORGE A. BODGE.
GEORGE W. BEAN.	GEORGE H. CARLETON.
GEORGE L. SMITH.	FRANCIS A. PERKINS.
EDWARD M. CARTER.	CHARLES S. THRASHER.
EDWARD E. HAMBLIN.	WILLIAM H. JOHNSTON.
CHARLES E. WOODMAN.	JOHN G. KNIGHT.
ARTHUR E. KEATING.	THEODORE E. HERON.
STEPHEN S. SMITH.	JACOB W. SKINNER.
EUGENE H. GAMMON.	DAVID A. BOLTON.
IRA S. CARLTON.	JAMES M. HARMON.
CHARLES W. STEVENS.	MICHAEL T. KENNEDY.
ULYSSES G. SKINNER.	EZRA A. DODGE.
JAMES J. POLLARD.	DANIEL G. SIMONS.
SAMUEL BURNS.	FRED H. GOOGINS.
JOTHAM CHISHOLM.	WILLIAM J. DAVIDSON.

ELMER E. DREW.

MELVILLE C. PARKHURST, *Lockup Keeper*.

RESERVE POLICE.

GEORGE L. RICE.	EUGENE A. WOODSUM.
JOHN A. DADMUN.	JOHN A. RAY.
HERBERT HILTON.	MYRON S. GOTT.
CHARLES W. REICK.	

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MEETINGS.

BOARD OF ALDERMEN.

Second and fourth Wednesday evenings of each month.

COMMON COUNCIL.

Thursday evenings next following the second and fourth Wednesdays
of each month.

SCHOOL COMMITTEE.

Last Monday evening of each month.

